APPENDIX C

Data Quality Control Summary Report

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LIST OF ATTACHMENTS

Attachment 1. Chemical Data Usability Assessment Report
Attachment 2. Automated Data Review Outlier Reports

ACRONYMS AND ABBREVIATIONS

%D	Percent Difference
ADR	Automated Data Review
AOC	Area of Concern
DoD	U.S. Department of Defense
DQA	Data Quality Assessment
DQO	Data Quality Objective
FWCUG	Facility-wide Cleanup Goal
FWQAPP	Facility-wide Quality Assurance Project Plan
LCS	Laboratory Control Sample
MDL	Method Detection Level
MPR	Monthly Progress Report
MS	Matrix Spike
MSD	Matrix Spike Duplicate
Ohio EPA	Ohio Environmental Protection Agency
PBA08	Performance-Based Acquisition 2008
PBA08 SAP	Performance-Based Acquisition 2008 Sampling and Analysis Plan Addendum No. 1
PCB	Polychlorinated Biphenyl
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
REIMS	RVAAP Environmental Information Management System
RI	Remedial Investigation
RPD	Relative Percent Difference
RVAAP	Ravenna Army Ammunition Plant
SAP	Sampling and Analysis Plan
SVOC	Semi-Volatile Organic Compound
TestAmerica	TestAmerica Laboratories, Inc.
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compound

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C.0 PROJECT QUALITY ASSURANCE SUMMARY

C.1 PURPOSE OF THIS REPORT

Environmental data must always be interpreted relative to its known limitations and its intended use. As can be expected in environmental media, there are areas and data points where the user needs to be cautioned relative to the quality of the project information presented. The data verification process and this data quality assessment (DQA) are performed to assist current and future data users in interpreting these data.

The purpose of this DQA report is to describe:

- The quality control (QC) procedures followed to ensure data generated by Leidos, formerly Science Applications International Corporation, during the remedial investigations (RIs) at the Ravenna Army Ammunition Plant (RVAAP) meet project requirements;
- The quality of the data collected; and
- The problems encountered during the course of the study and their solutions.

A separate Chemical Data Usability Assessment has been completed by the U.S. Army Corps of Engineers (USACE) quality assurance (QA) representative (Attachment 1). This assessment discusses the overall data quality and usability of project data based on a review of this DQA and the findings of the third-party validator contracted by USACE. While there were some differences in the qualifiers assigned by Leidos and the third-party reviewer, the findings were deemed to be compatible.

This DQA report assesses the analytical information gathered during the implementation of the RI at Load Line 6. It documents the quality of the data utilized for the RI Report and assesses if QA/QC objectives were met. Evaluation of field and laboratory QC measures will constitute the majority of this assessment; however, references will also be directed toward those QA procedures that establish data credibility. The primary intent of this assessment is to illustrate that, except as noted, data generated for this investigation can withstand scientific scrutiny; are appropriate for their intended purpose; are technically defensible; and are of known and acceptable sensitivity, precision, and accuracy.

Multiple activities were performed to achieve the desired data quality for this project. As discussed in the Load Line 6 RI Report, decisions were made during the initial scoping of the RI to define the quality and quantity of data required. Data quality objectives (DQOs) were established to guide the implementation of the field sampling and laboratory analysis [refer to the *Performance-Based Acquisition 2008 Supplemental Investigation Sampling and Analysis Plan Addendum No. 1*, (USACE 2009), herein referred to as the PBA08 SAP]. A QA program was established to standardize procedures and document activities [refer to the *Facility-Wide Quality Assurance Project Plan for Environmental Investigations*, herein referred to as FWQAPP (USACE 2001) and Part II of the PBA08 SAP]. This program provided a means to detect and correct any deficiencies in the process. Upon receipt by the project team, data were subjected to verification and validation review by an automated data review (ADR) process to identify and qualify problems related to the analysis. These

review steps contributed to this final DQA where data used in the investigation are identified as having met the criteria and are being utilized appropriately.

C.2 QUALITY ASSURANCE PROGRAM

The FWQAPP and Part II of the PBA08 SAP were developed to guide the RI. The purposes of these documents were to enumerate the quantity and type of samples to be taken to inspect the area of concern (AOC) and define the quantity and type of QA/QC samples to be used to evaluate the quality of the data obtained. The FWQAPP established requirements for field and laboratory QC procedures. In general, field QC duplicates and QA split samples were required for each environmental sample matrix collected in the area being investigated; volatile organic compound (VOC) trip blanks were to accompany each cooler containing water samples for VOC determinations; and analytical laboratory QC duplicates, matrix spikes (MSs), laboratory control samples (LCSs), and method blanks were required for each preparation batch of 20 samples or less for each matrix and analyte.

A primary goal of the former RVAAP QA program was to ensure that the quality of results for all environmental measurements were appropriate for their intended use. To this end, the FWQAPP and standardized field procedures were compiled to guide the investigation. Through the process of readiness review, training, equipment calibration, QC implementation, and detailed documentation, the project has successfully accomplished the goals set for the QA program.

C.2.1 Monthly Progress Reports

Monthly Progress Reports (MPRs) were completed by the Leidos Project Manager for the duration of the project. The MPRs contained information on work completed, problems encountered, corrective actions/solutions, summary of findings, and upcoming work. These reports were issued to the USACE Louisville District Project Manager by e-mail with copies forwarded to the Ohio Environmental Protection Agency (Ohio EPA). Access to these reports can be obtained through the USACE Louisville District Project Manager.

C.2.2 Daily Activity Logs

The Field Team Leader completed Daily Activity Logs. These include information such as, but not limited to, on-site sub-tier contractors, on-site equipment, work performed summaries, QC activities, health and safety activities, problems encountered, and corrective actions.

C.2.3 Laboratory "Definitive" Level Data Reporting

The Quality Assurance Project Plan (QAPP) for this project identified requirements for laboratory data reporting and identified TestAmerica Laboratories, Inc. (herein referred to as TestAmerica) of North Canton, Ohio (a subcontractor to White Water Associates, Inc.), as the laboratory for the project. During project execution, the TestAmerica facility in North Canton, Ohio, performed all of the analyses, except explosives and propellants, which were performed at the TestAmerica facility in West Sacramento, California. Collected QA split samples were analyzed by USACE's contracted QA

laboratory, RTI Laboratories, Inc., of Livonia, Michigan. TestAmerica and RTI Laboratories, Inc. are accredited by the U.S. Department of Defense (DoD). All analytical procedures were completed in accordance with applicable professional standards; U.S. Environmental Protection Agency (USEPA) requirements; government regulations and guidelines; the DoD Quality Systems Manual (QSM), Version 3; USACE Louisville District analytical QA guidelines; and specific project goals and requirements. USEPA "definitive" data have been reported, and include the following basic information:

- Laboratory case narratives;
- Sample results (soil/sediment reported per dry weight);
- Laboratory method blank results;
- LCS results;
- Laboratory sample MS recoveries;
- Laboratory duplicate results;
- Surrogate recoveries [VOCs, semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), and explosives];
- Initial and continuing calibrations;
- Sample preparation dates; and
- Sample analysis dates.

This information from the laboratory, along with field information, provides the basis for subsequent data evaluation relative to sensitivity, precision, accuracy, representativeness, and completeness. These are presented in Section C.4.

C.3 DATA VERIFICATION

The objective when evaluating the project data quality is to determine its usability. The evaluation is based on the interpretation of laboratory QC measures, field QC measures, and project DQOs. This project implemented ADR software to facilitate laboratory data review. The ADR output was reviewed by the project-designated verification staff.

C.3.1 Field Data Verification

Field-generated documents, such as sampling logs, boring logs, daily health and safety summaries, daily safety inspections, equipment calibration and maintenance logs, and sample management logs, were peer-reviewed on site.

C.3.2 Laboratory Data Verification

Analytical data generated for this project have been subjected to a process of automated data verification and review. The following describes this systematic process and the evaluation activities performed. Several criteria have been established against which the data were compared and from which a judgment was rendered regarding the acceptance and qualification of the data. Because it is

beyond the scope of this report to cite those criteria, the reader is directed to the following documents for specific detail:

- PBA08 SAP (USACE 2009).
- DoD – Quality Systems Manual for Environmental Laboratories, Version 3, January 2006.
- USACE Louisville District, Louisville DoD Quality Systems Manual Supplement, Version 1, March 2007.
- USEPA – Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA-540/R-99/008, October 1999.
- USEPA – Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA-540/R-94/013, February 1994.
- Leidos Technical Support Contractor QA Technical Procedure (TP-DM-300-7), Data Verification and Validation.

Upon receiving field and analytical data, verification staff performed a systematic examination of the reports, including ADR software, to ensure the content, presentation, and administrative validity of 100% of the data. Discrepancies identified during this process were recorded and documented utilizing the ADR. Any discrepancies were resolved prior to database flag entry. As part of data verification, standardized laboratory electronic data deliverables were subjected to review. This technical evaluation ensured that all contract-specified requirements had been met, and that electronic information conformed to reported hardcopy data. Outlier reports from ADR software review are included as Attachment 2 to this appendix. QA Program Nonconformance Report and Corrective Action systems were implemented as required.

During the verification phase of the review and evaluation process, data were subjected to a systematic technical review by examining all field and analytical QC results and laboratory documentation following USEPA functional guidelines, DoD QSM criteria, and Leidos internal procedures for laboratory data review. These data review guidelines define the technical review criteria, methods for evaluating the criteria, and actions to be taken resulting from the review of these criteria. The primary objectives of this phase were to assess and summarize the quality and reliability of the data for the intended use and to document factors that may affect the usability of the data. This process did not include in-depth review of raw data instrument output or re-calculation of results from the primary instrument output. This data verification and analytical review process included, but was not necessarily limited to, the following parameters:

- Data completeness;
- Analytical holding times and sample preservation;
- Calibration (initial and continuing);
- Method blanks;
- Sample results verification;
- Surrogate recovery;
- LCS analysis;
- Internal standard performance;

- MS recovery;
- Duplicate analysis comparison;
- Reported detection limits;
- Compound, element, and isotope quantification;
- Reported detection levels;
- Method reporting levels; and
- Secondary dilutions.

As an end result of this phase of the review, the data were qualified based on the technical assessment of the verification criteria. Qualifiers were applied by the ADR to each field and analytical result to indicate the usability of the data for its intended purpose.

C.3.3 Definitions of Data Qualifiers (Flags)

During the data verification process, all laboratory data were assigned appropriate data qualification flags and reason codes. Qualification flags are defined as follows:

- "U" Indicates the analyte was analyzed for, but not detected above, the level of the associated value.
- "J" Indicates the analyte was positively identified; however, the associated numerical value is an approximate concentration of the analyte in the sample.
- "UJ" Indicates the analyte was analyzed for, but not detected above, the associated value; however, the reported value is an estimate and demonstrates a decreased knowledge of its accuracy or precision.
- "R" Indicates the analyte value reported is unusable. The integrity of the analyte's identification, accuracy, precision, or sensitivity has raised significant questions as to the reality of the information presented.

C.3.4 Data Acceptability

Thirty-four environmental sediment, soil, and surface water samples were collected with approximately 3,200 discrete analyses (i.e., analytes) being obtained, reviewed, and integrated into the assessment (these totals do not include field measurements and field descriptions). The project collected investigation samples under the direction of the sampling and analysis plan and USACE Louisville District and produced acceptable results for 99.3% of the samples collected.

Table C-1 summarizes the targeted field QC and QA split samples collected during the investigation. Cross-references for duplicate and QA split sample pair numbers are presented on Table C-2 along with the requested parameters for each sample. Table C-3 summarizes results rejected during review, Table C-4 summarizes qualified analyses grouped by media and analyte category, and Table C-5 shows the individual results qualified during review. The majority of the estimated values were based on values observed between the laboratory method detection levels (MDLs) and the project reporting levels. Values determined in this region have an inherently higher variability and need to be considered estimated at best. Also, some data were estimated due to exceeded holding times,

continuing calibrations, surrogate recovery deviations, MS/matrix spike duplicate (MSD) deviations, and a few LCS recovery failures.

Table C-1. Number of Samples Taken at Load Line 6

Media	Environmental Samples	Field Duplicates	USACE Split Samples	Trip Blanks	Equipment Rinse Blanks[a]	Source Water Blanks[b]
Sediment	5	1	1	0		
Soil	24	3	3	0	2	
Surface Water	5	0	0	5	0	2

[a] Equipment rinse blanks were collected at a frequency of two per field cycle for the entire Performance-Based Acquisition 2008 Remedial Investigation (PBA 08 RI) for the 17 areas of concern (AOCs) as presented in Section 4.6 of the PBA08 Sampling and Analysis Plan (PBA08 SAP).

[b] Source water blanks for deionized and potable water used during equipment decontamination were evaluated for the entire PBA08 RI for the 17 AOCs as presented in Section 4.6 of the PBA08 SAP.

USACE = U.S. Army Corps of Engineers.

Table C-2. Identification of Regular and Quality Control Samples Taken at Load Line 6

Sample ID	Laboratory SDG	Field Duplicates	USACE Split Samples	Trip Blanks[a]	Metals	Explosives	SVOCs	Propellants[b]	VOCs	Pesticides	PCBs	PAHs	Hexavalent Chromium	Total Chromium
Sediment														
FWSSD-101-5009-SD	A0B260454	NS	NS	NS	X	X	X	X	X	X	X			
FWSSD-103-5013-SD	A0B190524	NS	NS	NS	X	X	X	X	X	X	X			
LL6SD-081-5243-SD	A0B190524	NS	NS	NS	X	X								
LL6SD-082-5245-SD	A0B180524	LL6SD-082-6063-FD	LL6SD-082-6062-QA	NS	X	X	X	X	X	X	X			
LL6SD-084-5795-SD	A0D020496	NS	NS	NS	X	X								
Soil														
LL6SB-068-5215-SO	A0C020458	NS	NS	NS	X	X						X		
LL6SB-068-5216-SO	A0C020458	NS	NS	NS	X	X						X		
LL6SB-068-5217-SO	A0C020447, A0C020453	NS	NS	NS	X	X						X		
LL6SB-069-5219-SO	A0B260454	NS	NS	NS	X	X	X	X	X	X	X			
LL6SB-069-5220-SO	A0B260454	NS	NS	NS	X	X	X	X	X	X	X			
LL6SB-069-5221-SO	A0B260445, A0B260449	NS	NS	NS	X	X	X	X	X	X	X			
LL6SB-069-5222-SO	A0C050520	NS	NS	NS	X	X	X	X	X	X	X			
LL6SB-070-5223-SO	A0C020458	NS	NS	NS	X	X						X		
LL6SB-070-5224-SO	A0C020458	NS	NS	NS	X	X						X		
LL6SB-070-5225-SO	A0C020447, A0C020453	NS	NS	NS	X	X						X		
LL6SB-071-5227-SO	A0C020458	NS	NS	NS	X	X						X		
LL6SB-071-5228-SO	A0C020458	LL6SB-071-6068-FD	LL6SB-071-6070-QA	NS	X	X						X		
LL6SB-071-5229-SO	A0C020447, A0C020453	LL6SB-071-6069-FD	LL6SB-071-6071-QA	NS	X	X						X		
LL6SB-083-5233-SO	A0B260454	NS	NS	NS	X	X						X		
LL6SB-083-5234-SO	A0B260454	NS	NS	NS	X	X						X		
LL6SB-083-5235-SO	A0B260454	NS	NS	NS	X	X						X		
LL6SS-073-5237-SO	A0B230467	NS	NS	NS	X	X	X	X	X	X	X			
LL6SS-074-5238-SO	A0B230467	NS	NS	NS	X	X						X		
LL6SS-075-5246-SO	A0B230467	NS	NS	NS									X	X
LL6SS-076-5239-SO	A0B230467	NS	NS	NS	X	X						X		

Table C-2. Identification of Regular and Quality Control Samples Taken at Load Line 6 (continued)

Sample ID	Laboratory SDG	Field Duplicates	USACE Split Samples	Trip Blanks[a]	Metals	Explosives	SVOCs	Propellants[b]	VOCs	Pesticides	PCBs	PAHs	Hexavalent Chromium	Total Chromium
LL6SS-077-5247-SO	A0B260454	NS	NS	NS									X	X
LL6SS-078-5240-SO	A0B230467	LL6SS-078-6059-FD	LL6SS-078-6058-QA	NS	X	X						X		
LL6SS-079-5241-SO	A0B230467	NS	NS	NS	X	X						X		
LL6SS-080-5248-SO	A0B230467	NS	NS	NS									X	X
Surface Water														
FWSSW-101-5008-SW	A0B260454	NS	NS	PBA08-QC-6012-TB	X	X	X	X	X	X	X			
FWSSW-103-5012-SW	A0B190524	NS	NS	PBA08-QC-6010-TB	X	X	X	X	X	X	X			
LL6SW-081-5242-SW	A0C020458	NS	NS	PBA08-QC-6015-TB	X	X	X	X	X	X	X			
LL6SW-082-5244-SW	A0B180524	NS	NS	PBA08-QC-6009-TB	X	X	X	X	X	X	X			
LL6SW-084-5794-SW	A0D020496	NS	NS	PBA08-QC-6023-TB	X	X	X	X	X	X	X			

[a]Trip blanks only accompany samples for volatile organic compounds in water.
[b]Propellants include nitrocellulose and nitroguanidine.
NS = Not sampled.
PAH = Polycyclic aromatic hydrocarbon.
PCB = Polychlorinated biphenyl.
SDG = Sample delivery group.
SVOC = Semi-volatile organic compound.
USACE = U.S. Army Corps of Engineers.
VOC = Volatile organic compound.

Table C-3. Results Rejected in Validation for Samples from Load Line 6

Sample Delivery Group	Sample ID	Analysis Group	Chemical	Results	Reporting Limit	Laboratory Qualifier	Validation Qualifier[a]	Validation Code[b]
mg/kg								
A0B260454	FWSSD-101-5009-SD	Metals	Antimony	0.69	0.69	U	R	MS-R
A0B260454	LL6SB-069-5220-SO	Metals	Antimony	0.59	0.59	U	R	MS-R
A0B260454	LL6SB-083-5233-SO	Metals	Antimony	0.68	0.68	U	R	MS-R
A0B260454	LL6SB-083-5234-SO	Metals	Antimony	0.68	0.68	U	R	MS-R
A0B260454	LL6SB-083-5235-SO	Metals	Antimony	0.65	0.65	U	R	MS-R
A0C050520	LL6SB-069-5222-SO	Metals	Antimony	0.61	0.61	U	R	MS-R
µg/L								
A0D020496	LL6SW-084-5794-SW	SVOCs	2,4,5-Trichlorophenol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	2,4,6-Trichlorophenol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	2,4-Dichlorophenol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	2,4-Dimethylphenol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	2,4-Dinitrophenol	25	25	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	2-Chlorophenol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	2-Methylphenol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	2-Nitrophenol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	3-Methylphenol/4-methylphenol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	4,6-Dinitro-2-methylphenol	25	25	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	4-Chloro-3-methylphenol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	4-Nitrophenol	25	25	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	Benzoic Acid	25	25	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	Benzenemethanol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	Pentachlorophenol	10	10	U	R	Surr-R
A0D020496	LL6SW-084-5794-SW	SVOCs	Phenol	10	10	U	R	Surr-R

[a] Validation Qualifiers: U = not detected and R = rejected.
[b] Validation Reason Codes: MS = matrix spike and Surr = surrogate recovery.
SVOC = Semi-volatile organic compound.

Table C-4. Summary of Qualified Results for Samples from Load Line 6

Analysis Group	Validation Qualifier[a]	Validation Reason Code[b]	Number Qualified	Total Number of Analyses	Percent Qualified
Sediment					
All Analyses	R	--	1	588	0.17
	J	--	32	588	5.4
	UJ	--	45	588	7.7
	None	--	510	588	87
Metals	R	MS-R	1	116	0.86
	J	LCS-J, RepLimit-J	1	116	0.86
	J	MS-J	6	116	5.2
	J	MS-J, RepLimit-J	2	116	1.7
	J	ProJudge-J	3	116	2.6
	J	RepLimit-J	17	116	15
	UJ	RepLimit-J, CalBlk-U	5	116	4.3
	None	None	81	116	70
Explosives	J	RepLimit-J	1	80	1.3
	UJ	CCV-UJ	1	80	1.3
	None	None	78	80	98
	UJ	MB-U, RepLimit-J	1	5	20
	None	None	4	5	80
SVOCs	J	RepLimit-J	1	198	0.51
	UJ	MB-U, RepLimit-J	1	198	0.51
	None	None	196	198	99
Pesticides	None	None	63	63	100
PCBs	None	None	21	21	100
VOCs	J	RepLimit-J	1	105	0.95
	UJ	CCV-UJ	2	105	1.9
	UJ	MB-U, Surr-J	1	105	0.95
	UJ	MB-U,Surr-J, MS-J, RepLimit-J	1	105	0.95
	UJ	MB-U, Surr-J, RepLimit-J	1	105	0.95
	UJ	Surr-UJ	29	105	28
	UJ	Surr-UJ, MS-UJ	3	105	2.9
	None	None	67	105	64
Soil					
All Analyses	R	--	5	1,901	0.26
	J	--	158	1,901	8.3
	UJ	--	120	1,901	6.3
	U	--	2	1,901	0.11
	None	--	1616	1,901	85
Metals	R	MS-R	5	555	0.9
	J	LCS-J	1	555	0.18
	J	MS-J	54	555	9.7
	J	MS-J, ProJudge-J	8	555	1.4
	J	MS-J, RepLimit-J	7	555	1.3
	J	RepLimit-J	70	555	12.6
	J	MS-J, RepLimit-J	5	555	0.9

Table C-4. Summary of Qualified Results for Samples from Load Line 6 (continued)

Analysis Group	Validation Qualifier[a]	Validation Reason Code[b]	Number Qualified	Total Number of Analyses	Percent Qualified
Soil (continued)					
Metals	UJ	MB-U, RepLimit-J	19	555	3.4
	UJ	MS-UJ	3	555	0.54
	UJ	RepLimit-J, CalBlk-U	22	555	4
	U	CalBlk-U	2	555	0.36
	None	None	359	555	65
Hexavalent Chromium	None	None	3	3	100
Explosives	None	None	384	384	100
Propellants	None	None	10	10	100
SVOCs	J	RepLimit-J	9	634	1.4
	UJ	MB-U, RepLimit-J	3	634	0.47
	None	None	622	634	98
Pesticides	UJ	CCV-UJ	1	105	0.95
	None	None	104	105	99
PCBs	None	None	35	35	100
VOCs	J	RepLimit-J	3	175	1.7
	J	Surr-J, RepLimit-J	1	175	0.57
	UJ	CCV-UJ	3	175	1.7
	UJ	MB-U, Surr-J	1	175	0.57
	UJ	MB-U, Surr-J, RepLimit-J	1	175	0.57
	UJ	Surr-UJ	56	175	32
	UJ	Surr-UJ, LCS-UJ	1	175	0.57
	UJ	Surr-UJ, MS-UJ	10	175	5.7
	None	None	99	175	57
Surface Water					
All Analyses	R	--	16	680	2.4
	J	--	34	680	5
	UJ	--	120	680	18
	None	--	510	680	75
Metals	J	MS-J	1	93	1.1
	J	RepLimit-J	27	93	29
	UJ	MS-UJ	1	93	1.1
	UJ	RepLimit-J, CalBlk-U	1	93	1.1
	None	None	63	93	68
Explosives	J	RepLimit-J	3	64	4.7
	UJ	CCV-UJ	1	64	1.6
	None	None	60	64	94
Propellants	J	RepLimit-J	1	7	14
	UJ	HT-UJ	1	7	14
	None	None	5	7	71

Table C-4. Summary of Qualified Results for Samples from Load Line 6 (continued)

Analysis Group	Validation Qualifier[a]	Validation Reason Code[b]	Number Qualified	Total Number of Analyses	Percent Qualified
Surface Water (continued)					
SVOCs	R	Surr-R	16	264	6.1
	UJ	HT-UJ	66	264	25
	UJ	MB-U, RepLimit-J	1	264	0.38
	UJ	Surr-UJ	34	264	13
	None	None	147	264	56
Pesticides	J	RepLimit-J	2	84	2.4
	UJ	CCV-UJ	2	84	2.4
	None	None	80	84	95
PCBs	UJ	Surr-UJ	7	28	25
	None	None	21	28	75
VOCs	UJ	CCV-UJ	2	140	1.4
	UJ	LCS-UJ	3	140	2.1
	UJ	RepLimit-J, FldQC-U	1	140	0.71
	None	None	134	140	96

[a] Validation Qualifiers: J = estimated, U = not detected, UJ = not detected and reporting limit estimated, and R = rejected.
[b] Validation Reason Codes: CalBlk = calibration blank, CCV = continuing calibration verification, FldQC = field quality control, HT = holding time, LCS = laboratory control standard, MB = method blank, MS = matrix spike, ProJudge = professional judgment, RptLimit = reporting limit, and Surr = surrogate recovery.
PCB = Polychlorinated biphenyl.
SVOC = Semi-volatile organic compound.
VOC = Volatile organic compound.

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
Metals							
Sediment (mg/kg)							
LL6SD-084-5795-SD	A0D020496	Aluminum	13300	89.1	-	J	ProJudge-J
FWSSD-101-5009-SD	A0B260454	Antimony	0.69	0.69	U	R	MS-R
LL6SD-081-5243-SD	A0B190524	Antimony	0.48	1.0	J	J	MS-J,RepLimit-J
LL6SD-082-5245-SD	A0B180524	Antimony	0.091	0.70	J	J	RepLimit-J
LL6SD-082-6063-FD	A0B180524	Antimony	0.13	0.82	J	J	RepLimit-J
LL6SD-084-5795-SD	A0D020496	Antimony	1.7	4.5	J	J	MS-J,RepLimit-J
LL6SD-081-5243-SD	A0B190524	Beryllium	1.1	0.21	-	J	ProJudge-J
LL6SD-084-5795-SD	A0D020496	Beryllium	0.65	0.89	J	J	RepLimit-J
FWSSD-101-5009-SD	A0B260454	Cadmium	0.097	0.28	J	UJ	RepLimit-J,CalBlk-U
LL6SD-082-5245-SD	A0B180524	Cadmium	0.19	0.28	J	UJ	RepLimit-J,CalBlk-U
LL6SD-084-5795-SD	A0D020496	Cadmium	0.88	1.8	J	J	RepLimit-J
FWSSD-101-5009-SD	A0B260454	Calcium	782	275	-	J	MS-J
LL6SD-081-5243-SD	A0B190524	Calcium	5160	418	-	J	MS-J
LL6SD-084-5795-SD	A0D020496	Chromium	18.0	4.5	-	J	MS-J
LL6SD-081-5243-SD	A0B190524	Cobalt	10.9	1.0	-	J	MS-J
LL6SD-084-5795-SD	A0D020496	Copper	91.7	4.5	-	J	ProJudge-J
LL6SD-081-5243-SD	A0B190524	Lead	117	0.63	-	J	MS-J
LL6SD-081-5243-SD	A0B190524	Mercury	0.14	0.21	J	J	RepLimit-J
LL6SD-082-5245-SD	A0B180524	Mercury	0.039	0.14	J	J	RepLimit-J
LL6SD-082-6063-FD	A0B180524	Mercury	0.064	0.16	J	J	RepLimit-J
FWSSD-101-5009-SD	A0B260454	Potassium	318	138	-	J	MS-J
LL6SD-082-6063-FD	A0B180524	Selenium	0.68	0.82	J	J	RepLimit-J
LL6SD-084-5795-SD	A0D020496	Selenium	1.4	4.5	J	J	LCS-J,RepLimit-J
FWSSD-101-5009-SD	A0B260454	Silver	0.026	0.69	J	UJ	RepLimit-J,CalBlk-U
LL6SD-081-5243-SD	A0B190524	Silver	0.30	1.0	J	J	RepLimit-J
LL6SD-082-5245-SD	A0B180524	Silver	0.015	0.70	J	UJ	RepLimit-J,CalBlk-U
LL6SD-082-6063-FD	A0B180524	Silver	0.054	0.82	J	UJ	RepLimit-J,CalBlk-U
LL6SD-084-5795-SD	A0D020496	Silver	0.21	4.5	J	J	RepLimit-J
FWSSD-101-5009-SD	A0B260454	Sodium	23.7	138	J	J	RepLimit-J
LL6SD-081-5243-SD	A0B190524	Sodium	72.6	209	J	J	RepLimit-J
LL6SD-082-5245-SD	A0B180524	Sodium	32.1	140	J	J	RepLimit-J
LL6SD-082-6063-FD	A0B180524	Sodium	36.7	164	J	J	RepLimit-J

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SD-084-5795-SD	A0D020496	Sodium	148	891	J	J	RepLimit-J
LL6SD-081-5243-SD	A0B190524	Thallium	0.32	0.42	J	J	RepLimit-J
LL6SD-082-5245-SD	A0B180524	Thallium	0.095	0.28	J	J	RepLimit-J
Metals							
Soil (mg/kg)							
LL6SB-068-5215-SO	A0C020458	Antimony	0.097	0.60	J	J	MS-J,RepLimit-J
LL6SB-068-5216-SO	A0C020458	Antimony	0.077	0.61	J	J	MS-J,RepLimit-J
LL6SB-068-5217-SO	A0C020447	Antimony	0.083	0.60	J	J	RepLimit-J
LL6SB-069-5219-SO	A0B260454	Antimony	0.11	0.62	J	J	MS-J,RepLimit-J
LL6SB-069-5220-SO	A0B260454	Antimony	0.59	0.59	U	R	MS-R
LL6SB-069-5221-SO	A0B260445	Antimony	0.099	0.56	J	J	RepLimit-J
LL6SB-069-5222-SO	A0C050520	Antimony	0.61	0.61	U	R	MS-R
LL6SB-070-5223-SO	A0C020458	Antimony	0.085	0.62	J	J	MS-J,RepLimit-J
LL6SB-070-5224-SO	A0C020458	Antimony	0.094	0.60	J	J	MS-J,RepLimit-J
LL6SB-071-5227-SO	A0C020458	Antimony	0.13	0.65	J	J	MS-J,RepLimit-J
LL6SB-071-5228-SO	A0C020458	Antimony	0.60	0.60	U	UJ	MS-UJ
LL6SB-071-6068-FD	A0C020458	Antimony	0.60	0.60	U	UJ	MS-UJ
LL6SB-071-6069-FD	A0C020458	Antimony	0.59	0.59	U	UJ	MS-UJ
LL6SB-083-5233-SO	A0B260454	Antimony	0.68	0.68	U	R	MS-R
LL6SB-083-5234-SO	A0B260454	Antimony	0.68	0.68	U	R	MS-R
LL6SB-083-5235-SO	A0B260454	Antimony	0.65	0.65	U	R	MS-R
LL6SS-073-5237-SO	A0B230467	Antimony	0.11	0.61	J	J	MS-J,RepLimit-J
LL6SS-074-5238-SO	A0B230467	Antimony	0.14	0.66	J	J	MS-J,RepLimit-J
LL6SS-076-5239-SO	A0B230467	Antimony	0.11	0.63	J	J	MS-J,RepLimit-J
LL6SS-078-5240-SO	A0B230467	Antimony	0.12	0.62	J	J	MS-J,RepLimit-J
LL6SS-078-6059-FD	A0B230467	Antimony	0.13	0.63	J	J	MS-J,RepLimit-J
LL6SS-079-5241-SO	A0B230467	Antimony	0.099	0.59	J	J	MS-J,RepLimit-J
LL6SB-068-5215-SO	A0C020458	Arsenic	7.2	0.60	-	J	MS-J,ProJudge-J
LL6SB-068-5216-SO	A0C020458	Arsenic	9.9	0.61	-	J	MS-J,ProJudge-J
LL6SB-070-5223-SO	A0C020458	Arsenic	12.1	0.62	-	J	MS-J,ProJudge-J
LL6SB-070-5224-SO	A0C020458	Arsenic	11.5	0.60	E	J	MS-J,ProJudge-J
LL6SB-071-5227-SO	A0C020458	Arsenic	12.1	0.65	-	J	MS-J,ProJudge-J
LL6SB-071-5228-SO	A0C020458	Arsenic	11.1	0.60	-	J	MS-J,ProJudge-J
LL6SB-071-6068-FD	A0C020458	Arsenic	12.8	0.60	-	J	MS-J,ProJudge-J
LL6SB-071-6069-FD	A0C020458	Arsenic	10.1	0.59	-	J	MS-J,ProJudge-J

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SB-068-5215-SO	A0C020458	Cadmium	0.13	0.24	J	J	RepLimit-J
LL6SB-068-5216-SO	A0C020458	Cadmium	0.056	0.24	J	J	RepLimit-J
LL6SB-068-5217-SO	A0C020447	Cadmium	0.064	0.24	J	J	RepLimit-J
LL6SB-069-5219-SO	A0B260454	Cadmium	0.10	0.25	J	UJ	RepLimit-J,CalBlk-U
LL6SB-069-5220-SO	A0B260454	Cadmium	0.078	0.24	J	UJ	RepLimit-J,CalBlk-U
LL6SB-069-5221-SO	A0B260445	Cadmium	0.062	0.23	J	J	RepLimit-J
LL6SB-069-5222-SO	A0C050520	Cadmium	0.042	0.24	J	UJ	RepLimit-J,CalBlk-U
LL6SB-070-5223-SO	A0C020458	Cadmium	0.053	0.25	J	J	RepLimit-J
LL6SB-070-5224-SO	A0C020458	Cadmium	0.039	0.24	J	J	RepLimit-J
LL6SB-070-5225-SO	A0C020447	Cadmium	0.058	0.24	J	J	RepLimit-J
LL6SB-071-5227-SO	A0C020458	Cadmium	0.20	0.26	J	J	RepLimit-J
LL6SB-071-5228-SO	A0C020458	Cadmium	0.058	0.24	J	J	RepLimit-J
LL6SB-071-5229-SO	A0C020447	Cadmium	0.070	0.24	J	J	RepLimit-J
LL6SB-071-6068-FD	A0C020458	Cadmium	0.049	0.24	J	J	RepLimit-J
LL6SB-071-6069-FD	A0C020458	Cadmium	0.060	0.24	J	J	RepLimit-J
LL6SB-083-5233-SO	A0B260454	Cadmium	0.058	0.27	J	UJ	RepLimit-J,CalBlk-U
LL6SB-083-5234-SO	A0B260454	Cadmium	0.055	0.27	J	UJ	RepLimit-J,CalBlk-U
LL6SB-083-5235-SO	A0B260454	Cadmium	0.055	0.26	J	UJ	RepLimit-J,CalBlk-U
LL6SS-073-5237-SO	A0B230467	Cadmium	0.20	0.24	J	UJ	RepLimit-J,CalBlk-U
LL6SS-074-5238-SO	A0B230467	Cadmium	0.26	0.26	-	U	CalBlk-U
LL6SS-076-5239-SO	A0B230467	Cadmium	0.069	0.25	J	UJ	RepLimit-J,CalBlk-U
LL6SS-078-5240-SO	A0B230467	Cadmium	0.31	0.25	-	U	CalBlk-U
LL6SS-078-6059-FD	A0B230467	Cadmium	0.15	0.25	J	UJ	RepLimit-J,CalBlk-U
LL6SS-079-5241-SO	A0B230467	Cadmium	0.17	0.24	J	UJ	RepLimit-J,CalBlk-U
LL6SB-068-5215-SO	A0C020458	Calcium	2010	240	-	J	MS-J
LL6SB-068-5216-SO	A0C020458	Calcium	1970	243	-	J	MS-J
LL6SB-069-5219-SO	A0B260454	Calcium	4050	247	-	J	MS-J
LL6SB-069-5220-SO	A0B260454	Calcium	36600	236	-	J	MS-J
LL6SB-070-5223-SO	A0C020458	Calcium	2090	248	-	J	MS-J
LL6SB-070-5224-SO	A0C020458	Calcium	1880	239	-	J	MS-J
LL6SB-071-5227-SO	A0C020458	Calcium	14400	260	-	J	MS-J
LL6SB-071-5228-SO	A0C020458	Calcium	19900	240	-	J	MS-J
LL6SB-071-6068-FD	A0C020458	Calcium	11500	240	-	J	MS-J
LL6SB-071-6069-FD	A0C020458	Calcium	37200	238	-	J	MS-J
LL6SB-083-5233-SO	A0B260454	Calcium	293	271	-	J	MS-J

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SB-083-5234-SO	A0B260454	Calcium	2530	272	-	J	MS-J
LL6SB-083-5235-SO	A0B260454	Calcium	6100	260	-	J	MS-J
LL6SS-073-5237-SO	A0B230467	Calcium	3860	244	-	J	MS-J
LL6SS-074-5238-SO	A0B230467	Calcium	3960	264	-	J	MS-J
LL6SS-076-5239-SO	A0B230467	Calcium	3400	253	-	J	MS-J
LL6SS-078-5240-SO	A0B230467	Calcium	2630	250	-	J	MS-J
LL6SS-078-6059-FD	A0B230467	Calcium	1820	253	-	J	MS-J
LL6SS-079-5241-SO	A0B230467	Calcium	7240	236	-	J	MS-J
LL6SB-068-5215-SO	A0C020458	Chromium	8.9	0.60	-	J	MS-J
LL6SB-068-5216-SO	A0C020458	Chromium	14.9	0.61	-	J	MS-J
LL6SB-070-5223-SO	A0C020458	Chromium	14.8	0.62	-	J	MS-J
LL6SB-070-5224-SO	A0C020458	Chromium	17.7	0.60	-	J	MS-J
LL6SB-071-5227-SO	A0C020458	Chromium	15.9	0.65	-	J	MS-J
LL6SB-071-5228-SO	A0C020458	Chromium	18.5	0.60	-	J	MS-J
LL6SB-071-6068-FD	A0C020458	Chromium	16.8	0.60	-	J	MS-J
LL6SB-071-6069-FD	A0C020458	Chromium	19.2	0.59	-	J	MS-J
LL6SB-068-5215-SO	A0C020458	Magnesium	1540	120	-	J	MS-J
LL6SB-068-5216-SO	A0C020458	Magnesium	2920	122	-	J	MS-J
LL6SB-070-5223-SO	A0C020458	Magnesium	1910	124	-	J	MS-J
LL6SB-070-5224-SO	A0C020458	Magnesium	3710	120	-	J	MS-J
LL6SB-071-5227-SO	A0C020458	Magnesium	4690	130	-	J	MS-J
LL6SB-071-5228-SO	A0C020458	Magnesium	6030	120	-	J	MS-J
LL6SB-071-6068-FD	A0C020458	Magnesium	4870	120	-	J	MS-J
LL6SB-071-6069-FD	A0C020458	Magnesium	7480	119	-	J	MS-J
LL6SS-073-5237-SO	A0B230467	Magnesium	787	122	-	J	MS-J
LL6SS-074-5238-SO	A0B230467	Magnesium	4960	132	-	J	MS-J
LL6SS-076-5239-SO	A0B230467	Magnesium	5140	126	-	J	MS-J
LL6SS-078-5240-SO	A0B230467	Magnesium	3170	125	-	J	MS-J
LL6SS-078-6059-FD	A0B230467	Magnesium	2400	126	-	J	MS-J
LL6SS-079-5241-SO	A0B230467	Magnesium	3250	118	-	J	MS-J
LL6SB-068-5215-SO	A0C020458	Mercury	0.019	0.12	J B	UJ	MB-U,RepLimit-J
LL6SB-068-5216-SO	A0C020458	Mercury	0.039	0.12	J B	UJ	MB-U,RepLimit-J
LL6SB-068-5217-SO	A0C020447	Mercury	0.026	0.12	J B	UJ	MB-U,RepLimit-J
LL6SB-069-5219-SO	A0B260454	Mercury	0.025	0.12	J	J	RepLimit-J
LL6SB-070-5223-SO	A0C020458	Mercury	0.030	0.12	J B	UJ	MB-U,RepLimit-J

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SB-070-5224-SO	A0C020458	Mercury	0.038	0.12	J B	UJ	MB-U,RepLimit-J
LL6SB-071-5227-SO	A0C020458	Mercury	0.022	0.13	J B	UJ	MB-U,RepLimit-J
LL6SB-071-5228-SO	A0C020458	Mercury	0.026	0.12	J B	UJ	MB-U,RepLimit-J
LL6SB-071-6069-FD	A0C020458	Mercury	0.018	0.12	J B	UJ	MB-U,RepLimit-J
LL6SB-083-5235-SO	A0B260454	Mercury	0.021	0.13	J	J	RepLimit-J
LL6SS-074-5238-SO	A0B230467	Mercury	0.029	0.13	J	J	RepLimit-J
LL6SS-076-5239-SO	A0B230467	Mercury	0.027	0.13	J	J	RepLimit-J
LL6SS-078-5240-SO	A0B230467	Mercury	0.042	0.12	J	J	RepLimit-J
LL6SS-078-6059-FD	A0B230467	Mercury	0.041	0.13	J	J	RepLimit-J
LL6SS-079-5241-SO	A0B230467	Mercury	0.050	0.12	J	J	RepLimit-J
LL6SB-069-5219-SO	A0B260454	Potassium	1760	123	-	J	MS-J
LL6SB-069-5220-SO	A0B260454	Potassium	1970	118	-	J	MS-J
LL6SB-083-5233-SO	A0B260454	Potassium	475	136	-	J	MS-J
LL6SB-083-5234-SO	A0B260454	Potassium	1840	136	-	J	MS-J
LL6SB-083-5235-SO	A0B260454	Potassium	1430	130	-	J	MS-J
LL6SB-069-5222-SO	A0C050520	Selenium	0.63	0.61	-	J	LCS-J
LL6SB-068-5215-SO	A0C020458	Silver	0.019	0.60	J	J	RepLimit-J
LL6SB-068-5216-SO	A0C020458	Silver	0.027	0.61	J	J	RepLimit-J
LL6SB-068-5217-SO	A0C020447	Silver	0.020	0.60	J	J	RepLimit-J
LL6SB-069-5219-SO	A0B260454	Silver	0.034	0.62	J	UJ	RepLimit-J,CalBlk-U
LL6SB-069-5220-SO	A0B260454	Silver	0.017	0.59	J	UJ	RepLimit-J,CalBlk-U
LL6SB-069-5221-SO	A0B260445	Silver	0.018	0.56	J	J	RepLimit-J
LL6SB-069-5222-SO	A0C050520	Silver	0.018	0.61	J	UJ	RepLimit-J,CalBlk-U
LL6SB-070-5223-SO	A0C020458	Silver	0.034	0.62	J	J	RepLimit-J
LL6SB-070-5224-SO	A0C020458	Silver	0.019	0.60	J	J	RepLimit-J
LL6SB-070-5225-SO	A0C020447	Silver	0.034	0.61	J	J	RepLimit-J
LL6SB-071-5227-SO	A0C020458	Silver	0.029	0.65	J	J	RepLimit-J
LL6SB-071-5228-SO	A0C020458	Silver	0.018	0.60	J	J	RepLimit-J
LL6SB-071-5229-SO	A0C020447	Silver	0.022	0.59	J	J	RepLimit-J
LL6SB-071-6068-FD	A0C020458	Silver	0.023	0.60	J	J	RepLimit-J
LL6SB-071-6069-FD	A0C020458	Silver	0.021	0.59	J	J	RepLimit-J
LL6SB-083-5233-SO	A0B260454	Silver	0.035	0.68	J	UJ	RepLimit-J,CalBlk-U
LL6SB-083-5234-SO	A0B260454	Silver	0.030	0.68	J	UJ	RepLimit-J,CalBlk-U
LL6SB-083-5235-SO	A0B260454	Silver	0.023	0.65	J	UJ	RepLimit-J,CalBlk-U
LL6SS-073-5237-SO	A0B230467	Silver	0.025	0.61	J	UJ	RepLimit-J,CalBlk-U

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SS-074-5238-SO	A0B230467	Silver	0.037	0.66	J	UJ	RepLimit-J,CalBlk-U
LL6SS-076-5239-SO	A0B230467	Silver	0.033	0.63	J	UJ	RepLimit-J,CalBlk-U
LL6SS-078-5240-SO	A0B230467	Silver	0.036	0.62	J	UJ	RepLimit-J,CalBlk-U
LL6SS-078-6059-FD	A0B230467	Silver	0.029	0.63	J	UJ	RepLimit-J,CalBlk-U
LL6SS-079-5241-SO	A0B230467	Silver	0.026	0.59	J	UJ	RepLimit-J,CalBlk-U
LL6SB-068-5215-SO	A0C020458	Sodium	30.1	120	J B	UJ	MB-U,RepLimit-J
LL6SB-068-5216-SO	A0C020458	Sodium	39.2	122	J B	UJ	MB-U,RepLimit-J
LL6SB-068-5217-SO	A0C020447	Sodium	90.6	120	J B	UJ	MB-U,RepLimit-J
LL6SB-069-5219-SO	A0B260454	Sodium	64.9	123	J	J	RepLimit-J
LL6SB-069-5220-SO	A0B260454	Sodium	79.5	118	J	J	RepLimit-J
LL6SB-069-5221-SO	A0B260445	Sodium	39.2	113	J	J	RepLimit-J
LL6SB-069-5222-SO	A0C050520	Sodium	45.7	122	J	J	RepLimit-J
LL6SB-070-5223-SO	A0C020458	Sodium	44.1	124	J B	UJ	MB-U,RepLimit-J
LL6SB-070-5224-SO	A0C020458	Sodium	66.1	120	J B	UJ	MB-U,RepLimit-J
LL6SB-070-5225-SO	A0C020447	Sodium	56.8	122	J B	UJ	MB-U,RepLimit-J
LL6SB-071-5227-SO	A0C020458	Sodium	56.1	130	J B	UJ	MB-U,RepLimit-J
LL6SB-071-5228-SO	A0C020458	Sodium	76.2	120	J B	UJ	MB-U,RepLimit-J
LL6SB-071-5229-SO	A0C020447	Sodium	80.2	119	J B	UJ	MB-U,RepLimit-J
LL6SB-071-6068-FD	A0C020458	Sodium	57.3	120	J B	UJ	MB-U,RepLimit-J
LL6SB-071-6069-FD	A0C020458	Sodium	79.3	119	J B	UJ	MB-U,RepLimit-J
LL6SB-083-5233-SO	A0B260454	Sodium	28.4	136	J	J	RepLimit-J
LL6SB-083-5234-SO	A0B260454	Sodium	86.4	136	J	J	RepLimit-J
LL6SB-083-5235-SO	A0B260454	Sodium	67.5	130	J	J	RepLimit-J
LL6SS-073-5237-SO	A0B230467	Sodium	26.6	122	J	J	RepLimit-J
LL6SS-074-5238-SO	A0B230467	Sodium	54.0	132	J	J	RepLimit-J
LL6SS-076-5239-SO	A0B230467	Sodium	46.1	126	J	J	RepLimit-J
LL6SS-078-5240-SO	A0B230467	Sodium	43.4	125	J	J	RepLimit-J
LL6SS-078-6059-FD	A0B230467	Sodium	34.7	126	J	J	RepLimit-J
LL6SS-079-5241-SO	A0B230467	Sodium	44.9	118	J	J	RepLimit-J
LL6SB-068-5215-SO	A0C020458	Thallium	0.10	0.24	J	J	RepLimit-J
LL6SB-068-5216-SO	A0C020458	Thallium	0.17	0.24	J	J	RepLimit-J
LL6SB-068-5217-SO	A0C020447	Thallium	0.19	0.24	J	J	RepLimit-J
LL6SB-069-5219-SO	A0B260454	Thallium	0.21	0.25	J	J	RepLimit-J
LL6SB-069-5220-SO	A0B260454	Thallium	0.19	0.24	J	J	RepLimit-J
LL6SB-069-5221-SO	A0B260445	Thallium	0.13	0.23	J	J	RepLimit-J

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SB-069-5222-SO	A0C050520	Thallium	0.11	0.24	J	J	RepLimit-J
LL6SB-070-5223-SO	A0C020458	Thallium	0.17	0.25	J	J	RepLimit-J
LL6SB-070-5224-SO	A0C020458	Thallium	0.15	0.24	J	J	RepLimit-J
LL6SB-070-5225-SO	A0C020447	Thallium	0.14	0.24	J	J	RepLimit-J
LL6SB-071-5227-SO	A0C020458	Thallium	0.17	0.26	J	J	RepLimit-J
LL6SB-071-5228-SO	A0C020458	Thallium	0.17	0.24	J	J	RepLimit-J
LL6SB-071-5229-SO	A0C020447	Thallium	0.20	0.24	J	J	RepLimit-J
LL6SB-071-6068-FD	A0C020458	Thallium	0.16	0.24	J	J	RepLimit-J
LL6SB-071-6069-FD	A0C020458	Thallium	0.20	0.24	J	J	RepLimit-J
LL6SB-083-5233-SO	A0B260454	Thallium	0.14	0.27	J	J	RepLimit-J
LL6SB-083-5234-SO	A0B260454	Thallium	0.20	0.27	J	J	RepLimit-J
LL6SB-083-5235-SO	A0B260454	Thallium	0.16	0.26	J	J	RepLimit-J
LL6SS-073-5237-SO	A0B230467	Thallium	0.15	0.24	J	J	RepLimit-J
LL6SS-074-5238-SO	A0B230467	Thallium	0.22	0.26	J	J	RepLimit-J
LL6SS-076-5239-SO	A0B230467	Thallium	0.24	0.25	J	J	RepLimit-J
LL6SS-078-5240-SO	A0B230467	Thallium	0.19	0.25	J	J	RepLimit-J
LL6SS-078-6059-FD	A0B230467	Thallium	0.14	0.25	J	J	RepLimit-J
LL6SS-079-5241-SO	A0B230467	Thallium	0.16	0.24	J	J	RepLimit-J
LL6SB-068-5215-SO	A0C020458	Vanadium	12.0	1.2	-	J	MS-J
LL6SB-068-5216-SO	A0C020458	Vanadium	21.5	1.2	-	J	MS-J
LL6SB-070-5223-SO	A0C020458	Vanadium	30.6	1.2	-	J	MS-J
LL6SB-070-5224-SO	A0C020458	Vanadium	21.7	1.2	-	J	MS-J
LL6SB-071-5227-SO	A0C020458	Vanadium	19.8	1.3	-	J	MS-J
LL6SB-071-5228-SO	A0C020458	Vanadium	22.3	1.2	-	J	MS-J
LL6SB-071-6068-FD	A0C020458	Vanadium	19.8	1.2	-	J	MS-J
LL6SB-071-6069-FD	A0C020458	Vanadium	21.0	1.2	-	J	MS-J
Metals							
Surface Water (µg/L)							
FWSSW-103-5012-SW	A0B190524	Aluminum	186	100	-	J	MS-J
LL6SW-082-5244-SW	A0B180524	Antimony	0.26	5.0	J	J	RepLimit-J
LL6SW-084-5794-SW	A0D020496	Antimony	0.29	5.0	J	J	RepLimit-J
LL6SW-081-5242-SW	A0C020458	Arsenic	0.93	5.0	J	J	RepLimit-J
LL6SW-082-5244-SW	A0B180524	Arsenic	3.2	5.0	J	J	RepLimit-J
LL6SW-084-5794-SW	A0D020496	Arsenic	0.81	5.0	J	J	RepLimit-J
LL6SW-084-5794-SW	A0D020496	Barium	9.9	10.0	J	J	RepLimit-J

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SW-082-5244-SW	A0B180524	Beryllium	0.42	1.0	J	J	RepLimit-J
FWSSW-101-5008-SW	A0B260454	Cadmium	0.027	2.0	J	J	RepLimit-J
LL6SW-081-5242-SW	A0C020458	Cadmium	0.14	2.0	J	J	RepLimit-J
LL6SW-082-5244-SW	A0B180524	Cadmium	0.40	2.0	J	J	RepLimit-J
LL6SW-081-5242-SW	A0C020458	Chromium	2.8	5.0	J	J	RepLimit-J
FWSSW-101-5008-SW	A0B260454	Cobalt	0.14	5.0	J	J	RepLimit-J
LL6SW-081-5242-SW	A0C020458	Cobalt	0.26	5.0	J	J	RepLimit-J
LL6SW-084-5794-SW	A0D020496	Cobalt	0.090	5.0	J	J	RepLimit-J
FWSSW-101-5008-SW	A0B260454	Copper	1.4	5.0	J	J	RepLimit-J
LL6SW-081-5242-SW	A0C020458	Copper	3.2	5.0	J	J	RepLimit-J
LL6SW-084-5794-SW	A0D020496	Copper	2.4	5.0	J	J	RepLimit-J
FWSSW-101-5008-SW	A0B260454	Lead	0.28	3.0	J	J	RepLimit-J
LL6SW-081-5242-SW	A0C020458	Lead	0.94	3.0	J	J	RepLimit-J
LL6SW-084-5794-SW	A0D020496	Lead	0.28	3.0	J	J	RepLimit-J
FWSSW-101-5008-SW	A0B260454	Mercury	0.20	0.20	U	UJ	MS-UJ
FWSSW-101-5008-SW	A0B260454	Nickel	1.6	10.0	J	J	RepLimit-J
LL6SW-081-5242-SW	A0C020458	Nickel	1.4	10.0	J	J	RepLimit-J
FWSSW-101-5008-SW	A0B260454	Selenium	0.28	5.0	J	J	RepLimit-J
LL6SW-081-5242-SW	A0C020458	Selenium	0.36	5.0	J	J	RepLimit-J
LL6SW-082-5244-SW	A0B180524	Selenium	0.61	5.0	J	J	RepLimit-J
LL6SW-082-5244-SW	A0B180524	Silver	0.021	5.0	J	UJ	RepLimit-J,CalBlk-U
LL6SW-084-5794-SW	A0D020496	Sodium	582	1000	J	J	RepLimit-J
LL6SW-081-5242-SW	A0C020458	Vanadium	2.0	10.0	J	J	RepLimit-J
Explosives							
Sediment (mg/kg)							
LL6SD-081-5243-SD	A0B190524	4-Nitrotoluene	0.50	0.50	U	UJ	CCV-UJ
LL6SD-084-5795-SD	A0D020496	Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	0.031	0.25	J PG	J	RepLimit-J
Explosives							
Surface Water (µg/L)							
LL6SW-082-5244-SW	A0B180524	Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	0.15	0.15	U	UJ	CCV-UJ
FWSSW-101-5008-SW	A0B260454	Octahydro-1,3,5,7-tetranitro-1,3,5,7-	0.088	0.15	J	J	RepLimit-J

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
		tetrazocine (HMX)					
LL6SW-082-5244-SW	A0B180524	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.080	0.15	J	J	RepLimit-J
LL6SW-084-5794-SW	A0D020496	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.062	0.15	J	J	RepLimit-J
Propellants							
Sediment (mg/kg)							
LL6SD-082-5245-SD	A0B180524	Nitrocellulose	1.3	7.0	B J	UJ	MB-U,RepLimit-J
Propellants							
Surface Water (µg/L)							
LL6SW-082-5244-SW	A0B180524	Nitrocellulose	0.24	0.50	B	J	RepLimit-J
LL6SW-084-5794-SW	A0D020496	Nitroguanidine	20	20	U	UJ	HT-UJ
Semi-volatile Organic Compounds							
Sediment (µg/kg)							
LL6SD-082-6063-FD	A0B180524	Fluoranthene	15	82	J	J	RepLimit-J
FWSSD-101-5009-SD	A0B260454	bis(2-Ethylhexyl) phthalate	450	450	J B	UJ	MB-U,RepLimit-J
Semi-volatile Organic Compounds							
Soil (µg/kg)							
LL6SS-073-5237-SO	A0B230467	Benz[a]anthracene	31	61	J	J	RepLimit-J
LL6SS-073-5237-SO	A0B230467	Benzo[a]pyrene	26	61	J	J	RepLimit-J
LL6SS-073-5237-SO	A0B230467	Benzo[b]fluoranthene	44	61	J	J	RepLimit-J
LL6SS-073-5237-SO	A0B230467	Benzo[g,h,i]perylene	19	61	J	J	RepLimit-J
LL6SS-073-5237-SO	A0B230467	Benzo[k]fluoranthene	14	61	J	J	RepLimit-J
LL6SS-073-5237-SO	A0B230467	Chrysene	35	61	J	J	RepLimit-J
LL6SS-073-5237-SO	A0B230467	Indeno[1,2,3-cd]pyrene	15	61	J	J	RepLimit-J
LL6SS-073-5237-SO	A0B230467	Phenanthrene	27	61	J	J	RepLimit-J
LL6SS-073-5237-SO	A0B230467	Pyrene	51	61	J	J	RepLimit-J
LL6SB-069-5219-SO	A0B260454	bis(2-Ethylhexyl) phthalate	410	410	J B	UJ	MB-U,RepLimit-J
LL6SB-069-5220-SO	A0B260454	bis(2-Ethylhexyl) phthalate	390	390	J B	UJ	MB-U,RepLimit-J

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SB-069-5221-SO	A0B260445	bis(2-Ethylhexyl) phthalate	370	370	J B	UJ	MB-U,RepLimit-J
Semi-volatile Organic Compounds							
Surface Water (µg/L)							
LL6SW-082-5244-SW	A0B180524	1,2,4-Trichlorobenzene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	1,2,4-Trichlorobenzene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	1,2-Dichlorobenzene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	1,2-Dichlorobenzene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	1,3-Dichlorobenzene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	1,3-Dichlorobenzene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	1,4-Dichlorobenzene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	1,4-Dichlorobenzene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	2,4,5-Trichlorophenol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2,4,5-Trichlorophenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	2,4,6-Trichlorophenol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2,4,6-Trichlorophenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	2,4-Dichlorophenol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2,4-Dichlorophenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	2,4-Dimethylphenol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2,4-Dimethylphenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	2,4-Dinitrophenol	25	25	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2,4-Dinitrophenol	25	25	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	2,4-Dinitrotoluene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2,4-Dinitrotoluene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	2,6-Dinitrotoluene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2,6-Dinitrotoluene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	2-Chloronaphthalene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2-Chloronaphthalene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	2-Chlorophenol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2-Chlorophenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	2-Methylnaphthalene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2-Methylnaphthalene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	2-Methylphenol	10	10	U	UJ	HT-UJ

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SW-084-5794-SW	A0D020496	2-Methylphenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	2-Nitroaniline	25	25	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2-Nitroaniline	25	25	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	2-Nitrophenol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	2-Nitrophenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	3,3'-Dichlorobenzidine	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	3,3'-Dichlorobenzidine	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	3-Nitroaniline	25	25	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	3-Nitroaniline	25	25	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	3-methylphenol/4-methylphenol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	3-methylphenol/4-methylphenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	4,6-Dinitro-2-methylphenol	25	25	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	4,6-Dinitro-2-methylphenol	25	25	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	4-Bromophenyl phenyl ether	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	4-Bromophenyl phenyl ether	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	4-Chloro-3-methylphenol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	4-Chloro-3-methylphenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	4-Chloroaniline	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	4-Chloroaniline	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	4-Chlorophenyl phenyl ether	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	4-Chlorophenyl phenyl ether	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	4-Nitroaniline	25	25	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	4-Nitroaniline	25	25	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	4-Nitrophenol	25	25	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	4-Nitrophenol	25	25	U	R	Surr-R

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SW-082-5244-SW	A0B180524	Acenaphthene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Acenaphthylene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Anthracene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Benz[a]anthracene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Benzo[a]pyrene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Benzo[b]fluoranthene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Benzo[g,h,i]perylene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Benzo[k]fluoranthene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Benzoic acid	25	25	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Benzoic acid	25	25	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	Benzenemethanol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Benzenemethanol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	Bis(2-chloroisopropyl) ether	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Bis(2-chloroisopropyl) ether	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Butyl benzyl phthalate	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Butyl benzyl phthalate	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Carbazole	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Carbazole	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Chrysene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Di-n-butyl phthalate	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Di-n-butyl phthalate	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Di-n-octyl phthalate	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Di-n-octyl phthalate	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Dibenzofuran	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Dibenzofuran	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Diethyl phthalate	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Diethyl phthalate	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Dimethyl phthalate	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Dimethyl phthalate	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Fluoranthene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Fluorene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Hexachlorocyclopentadiene	10	10	U	UJ	HT-UJ

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SW-084-5794-SW	A0D020496	Hexachlorocyclopentadiene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Hexachlorobenzene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Hexachlorobenzene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Hexachlorobutadiene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Hexachlorobutadiene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Hexachloroethane	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Hexachloroethane	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Indeno[1,2,3-cd]pyrene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Isophorone	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Isophorone	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	N-Nitrosodi-n-propylamine	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	N-Nitrosodi-n-propylamine	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	N-Nitrosodiphenylamine	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	N-Nitrosodiphenylamine	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Naphthalene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Nitrobenzene	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Nitrobenzene	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Pentachlorophenol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Pentachlorophenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	Phenanthrene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	Phenol	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	Phenol	10	10	U	R	Surr-R
LL6SW-082-5244-SW	A0B180524	Pyrene	10	10	U	UJ	HT-UJ
LL6SW-082-5244-SW	A0B180524	bis(2-Chloroethoxy)methane	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	bis(2-Chloroethoxy)methane	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	bis(2-Chloroethyl) ether	10	10	U	UJ	HT-UJ

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SW-084-5794-SW	A0D020496	bis(2-Chloroethyl) ether	10	10	U	UJ	Surr-UJ
LL6SW-081-5242-SW	A0C020458	bis(2-Ethylhexyl) phthalate	10	10	J B	UJ	MB-U,RepLimit-J
LL6SW-082-5244-SW	A0B180524	bis(2-Ethylhexyl) phthalate	10	10	U	UJ	HT-UJ
LL6SW-084-5794-SW	A0D020496	bis(2-Ethylhexyl) phthalate	10	10	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	dibenz[a,h]anthracene	10	10	U	UJ	HT-UJ
Pesticides							
Soil (µg/kg)							
LL6SS-073-5237-SO	A0B230467	4,4'-DDD	4.9	4.9	U	UJ	CCV-UJ
Pesticides							
Surface Water (µg/L)							
LL6SW-084-5794-SW	A0D020496	4,4'-DDT	0.10	0.10	U	UJ	CCV-UJ
LL6SW-084-5794-SW	A0D020496	Methoxychlor	0.20	0.20	U	UJ	CCV-UJ
LL6SW-084-5794-SW	A0D020496	beta-BHC	0.044	0.10	J	J	RepLimit-J
FWSSW-101-5008-SW	A0B260454	gamma-Chlordane	0.048	0.050	J	J	RepLimit-J
PCBs							
Surface Water (µg/L)							
LL6SW-082-5244-SW	A0B180524	Aroclor 1016	0.50	0.50	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Aroclor 1221	0.50	0.50	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Aroclor 1232	0.50	0.50	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Aroclor 1242	0.50	0.50	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Aroclor 1248	0.50	0.50	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Aroclor 1254	0.50	0.50	U	UJ	Surr-UJ
LL6SW-082-5244-SW	A0B180524	Aroclor 1260	0.50	0.50	U	UJ	Surr-UJ
Volatile Organic Compounds							
Sediment (µg/kg)							
FWSSD-101-5009-SD	A0B260454	1,1,1-Trichloroethane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	1,1,2,2-Tetrachloroethane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	1,1,2-Trichloroethane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	1,1-Dichloroethane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	1,1-Dichloroethene	6.9	6.9	U	UJ	Surr-UJ

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
FWSSD-101-5009-SD	A0B260454	1,2-Dibromoethane (Ethylene Dibromide)	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	1,2-Dichloroethane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	1,2-Dichloroethene (total)	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	1,2-Dichloropropane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	2-Butanone (MEK)	28	28	J B	UJ	MB-U,Surr-J,MS-J,RepLimit-J
FWSSD-101-5009-SD	A0B260454	2-Hexanone	28	28	U	UJ	Surr-UJ,MS-UJ
FWSSD-101-5009-SD	A0B260454	4-methyl-2-pentanone (MIBK)	28	28	U	UJ	Surr-UJ,MS-UJ
FWSSD-101-5009-SD	A0B260454	Acetone	28	28	J B	UJ	MB-U,Surr-J,RepLimit-J,FldQC-U
FWSSD-101-5009-SD	A0B260454	Benzene	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Bromochloromethane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Bromodichloromethane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Bromoform	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Bromomethane (Methyl bromide)	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Carbon disulfide	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Carbon tetrachloride	6.9	6.9	U	UJ	Surr-UJ
LL6SD-082-5245-SD	A0B180524	Carbon tetrachloride	7.0	7.0	U	UJ	CCV-UJ
LL6SD-082-6063-FD	A0B180524	Carbon tetrachloride	8.2	8.2	U	UJ	CCV-UJ
FWSSD-101-5009-SD	A0B260454	Chlorobenzene	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Chlorodibromomethane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Chloroethane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Chloroform	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Chloromethane	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Ethylbenzene	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Methylene chloride	11	6.9	B	UJ	MB-U,Surr-J
FWSSD-101-5009-SD	A0B260454	Styrene	6.9	6.9	U	UJ	Surr-UJ,MS-UJ
FWSSD-101-5009-SD	A0B260454	Tetrachloroethene	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Toluene	6.9	6.9	U	UJ	Surr-UJ
LL6SD-082-6063-FD	A0B180524	Toluene	0.54	8.2	J	J	RepLimit-J
FWSSD-101-5009-SD	A0B260454	Trichloroethene	6.9	6.9	U	UJ	Surr-UJ

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
FWSSD-101-5009-SD	A0B260454	Vinyl chloride	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	Xylene (Total)	14	14	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	cis-1,3-Dichloropropene	6.9	6.9	U	UJ	Surr-UJ
FWSSD-101-5009-SD	A0B260454	trans-1,3-Dichloropropene	6.9	6.9	U	UJ	Surr-UJ
Volatile Organic Compounds							
Soil (µg/kg)							
LL6SB-069-5219-SO	A0B260454	1,1,1-Trichloroethane	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	1,1,1-Trichloroethane	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	1,1,2,2-Tetrachloroethane	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	1,1,2,2-Tetrachloroethane	6.1	6.1	U	UJ	Surr-UJ,LCS-UJ
LL6SB-069-5219-SO	A0B260454	1,1,2-Trichloroethane	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	1,1,2-Trichloroethane	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	1,1-Dichloroethane	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	1,1-Dichloroethane	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	1,1-Dichloroethene	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	1,1-Dichloroethene	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	1,2-Dibromoethane (Ethylene Dibromide)	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	1,2-Dibromoethane (Ethylene Dibromide)	6.1	6.1	U	UJ	Surr-UJ,MS-UJ
LL6SB-069-5219-SO	A0B260454	1,2-Dichloroethane	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	1,2-Dichloroethane	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	1,2-Dichloroethene (total)	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	1,2-Dichloroethene (total)	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	1,2-Dichloropropane	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	1,2-Dichloropropane	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	2-Butanone (MEK)	25	25	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	2-Butanone (MEK)	24	24	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	2-Hexanone	25	25	U	UJ	Surr-UJ

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SB-069-5222-SO	A0C050520	2-Hexanone	24	24	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	4-methyl-2-pentanone (MIBK)	25	25	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	4-methyl-2-pentanone (MIBK)	24	24	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Acetone	25	25	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Acetone	11	24	J	J	Surr-J,RepLimit-J
LL6SB-069-5219-SO	A0B260454	Benzene	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Benzene	6.1	6.1	U	UJ	Surr-UJ,MS-UJ
LL6SB-069-5219-SO	A0B260454	Bromochloromethane	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Bromochloromethane	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Bromodichloromethane	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Bromodichloromethane	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Bromoform	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Bromoform	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Bromomethane (Methyl bromide)	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Bromomethane (Methyl bromide)	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Carbon disulfide	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Carbon disulfide	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Carbon tetrachloride	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5220-SO	A0B260454	Carbon tetrachloride	5.9	5.9	U	UJ	CCV-UJ
LL6SB-069-5221-SO	A0B260445	Carbon tetrachloride	5.6	5.6	U	UJ	CCV-UJ
LL6SB-069-5222-SO	A0C050520	Carbon tetrachloride	6.1	6.1	U	UJ	Surr-UJ
LL6SS-073-5237-SO	A0B230467	Carbon tetrachloride	6.1	6.1	U	UJ	CCV-UJ
LL6SB-069-5219-SO	A0B260454	Chlorobenzene	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Chlorobenzene	6.1	6.1	U	UJ	Surr-UJ,MS-UJ
LL6SB-069-5219-SO	A0B260454	Chlorodibromomethane	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Chlorodibromomethane	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Chloroethane	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Chloroethane	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Chloroform	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Chloroform	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Chloromethane	6.2	6.2	U	UJ	Surr-UJ

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
LL6SB-069-5222-SO	A0C050520	Chloromethane	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Ethylbenzene	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Ethylbenzene	6.1	6.1	U	UJ	Surr-UJ,MS-UJ
LL6SB-069-5219-SO	A0B260454	Methylene chloride	6.2	6.2	J B	UJ	MB-U,Surr-J,RepLimit-J
LL6SB-069-5222-SO	A0C050520	Methylene chloride	6.8	6.1	B	UJ	MB-U,Surr-J
LL6SS-073-5237-SO	A0B230467	Methylene chloride	2.0	6.1	J	J	RepLimit-J
LL6SB-069-5219-SO	A0B260454	Styrene	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Styrene	6.1	6.1	U	UJ	Surr-UJ,MS-UJ
LL6SB-069-5219-SO	A0B260454	Tetrachloroethene	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Tetrachloroethene	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Toluene	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5221-SO	A0B260445	Toluene	0.40	5.6	J	J	RepLimit-J
LL6SB-069-5222-SO	A0C050520	Toluene	6.1	6.1	U	UJ	Surr-UJ,MS-UJ
LL6SS-073-5237-SO	A0B230467	Toluene	0.35	6.1	J	J	RepLimit-J
LL6SB-069-5219-SO	A0B260454	Trichloroethene	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Trichloroethene	6.1	6.1	U	UJ	Surr-UJ,MS-UJ
LL6SB-069-5219-SO	A0B260454	Vinyl chloride	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Vinyl chloride	6.1	6.1	U	UJ	Surr-UJ
LL6SB-069-5219-SO	A0B260454	Xylene (Total)	12	12	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	Xylene (Total)	12	12	U	UJ	Surr-UJ,MS-UJ
LL6SB-069-5219-SO	A0B260454	cis-1,3-Dichloropropene	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	cis-1,3-Dichloropropene	6.1	6.1	U	UJ	Surr-UJ,MS-UJ
LL6SB-069-5219-SO	A0B260454	trans-1,3-Dichloropropene	6.2	6.2	U	UJ	Surr-UJ
LL6SB-069-5222-SO	A0C050520	trans-1,3-Dichloropropene	6.1	6.1	U	UJ	Surr-UJ,MS-UJ
Volatile Organic Compounds							

Table C-5. Detailed Listing of Qualified Results for Samples from Load Line 6 (continued)

Sample ID	Laboratory SDG	Chemical	Results	Reporting Limit	Laboratory Qualifier[a]	Validation Qualifier[b]	Validation Code[c]
Surface Water (µg/L)							
LL6SW-084-5794-SW	A0D020496	Acetone	10	10	J	UJ	RepLimit-J,FldQC-U
FWSSW-101-5008-SW	A0B260454	Bromoform	1.0	1.0	U	UJ	CCV-UJ
LL6SW-081-5242-SW	A0C020458	Bromoform	1.0	1.0	U	UJ	CCV-UJ
FWSSW-101-5008-SW	A0B260454	Chloroethane	1.0	1.0	U	UJ	LCS-UJ
LL6SW-081-5242-SW	A0C020458	Chloroethane	1.0	1.0	U	UJ	LCS-UJ
LL6SW-082-5244-SW	A0B180524	Chloroethane	1.0	1.0	U	UJ	LCS-UJ

[a] Laboratory Qualifiers: B=analyte was detected in the associated blank as well as the sample, J=estimated because result is between the method detection limit and the reporting limit, U=not detected, G=elevated reporting limit due to matrix interference, E=inorganic result estimated because of the presence of interference, PG=more than 40% difference between primary and confirmation analysis.

[b] Validation Qualifiers: J=estimated, U=not detected, UJ=not detected and reporting limit estimated, and R=rejected.

[c] Validation Reason Codes: CalBlk=calibration blank, CCV=continuing calibration verification, FldQC=field QC, HT=holding time, IC=initial calibration, ICV=initial calibration verification, IPC=instrument performance check, LCS=laboratory control sample, MB=method blank, MS=matrix spike, RptLimit=reporting limit, and Surr=surrogate recovery.

PCB = Polychlorinated biphenyl.

sdg = sample delivery group.

QC = Quality control.

-- = No qualifier.

For this RVAAP study, a total of four field duplicates were analyzed for soil and sediment media. No surface water field duplicates were collected at Load Line 6. Five trip blanks for VOC determinations were analyzed for this sample set. Two equipment rinsates and one deionized source water blank were collected for the entire field cycle. The potable water source was previously tested for use by Ohio EPA and USACE. Approval documentation is referenced under the Performance-Based Acquisition 2008 (PBA08) Sharon Conglomerate Well Installation task. The project goal for blanks is to achieve concentrations less than the reporting levels. Table C-6 summarizes analytes that were detected in these blanks. The potable water blank (SCFqc-001-0001) showed detected concentrations for 12 metals and 8 miscellaneous general chemistry analytes. Of these, barium, calcium, iron, magnesium, manganese, nickel, potassium, sodium, and the general chemistry analytes exceeded their reporting limits. As noted, the results have been previously reviewed and accepted by Ohio EPA and USACE.

Toluene was the only analyte detected in the PBA08 field blank (PBA08-QC-6000-FB) and it was well below the laboratory reporting limit. The PBA08 equipment rinsate blanks (PBA08-QC-6001-ER and PBA08-QC-6002-ER) showed detections for a total of eight metals, five SVOCs, and three VOCs. Of the metals, only manganese and nickel in one rinsate and zinc in both rinsates exceeded the reporting limit, but all except nickel were below 2x the reporting limit. Only one VOC and one SVOC were detected slightly above the reporting limit. These analytes [acetone and bis(2-ethylhexyl)phthalate] are common laboratory contaminants. In general, the field blank and rinsate blank results indicate that the equipment decontamination procedure was effective and the potential for sample contamination due to ambient field conditions is very low.

Table C-6. Results for Analytes Detected in Field Blanks or Equipment Rinsate Samples

Sample Identification			SCFqc-001-0001-FB	PBA08-QC-6000-FB	PBA08-QC-6001-ER	PBA08-QC-6002-ER
Date			02/06/09	02/18/10	02/18/10	04/01/10
Sample Type		Project	Potable Water	Deionized Water	Equipment Rinse	Equipment Rinse
Analyte (mg/L)	CAS Number	Reporting Level	Blank	Blank	Blank	Blank
Metals						
Antimony	7440-36-0	0.005	0.00019 J	<0.005 U	<0.005 U	<0.005 U
Arsenic	7440-38-2	0.005	0.0012 J	<0.005 U	<0.005 U	<0.005 U
Barium	7440-39-3	0.01	0.0472	<0.01 U	<0.01 U	<0.01 U
Calcium	7440-70-2	0.1	65.6	<2 U	<2 U	<2 U
Chromium	7440-47-3	0.005	<0.005 U	<0.005 U	<0.005 U	0.0012 J
Cobalt	7440-48-4	0.005	<0.005 U	<0.005 U	<0.005 U	0.00006 J
Copper	7440-50-8	0.005	0.00057 J	<0.005 U	<0.005 U	<0.005 U
Iron	7439-89-6	0.1	0.78	<0.15 U	<0.15 U	0.0957 J
Magnesium	7439-95-4	0.1	28.3	<1 U	<1 U	<1 U
Manganese	7439-96-5	0.01	0.0919	<0.01 U	<0.01 U	0.0155
Nickel	7440-02-0	0.0002	0.00035 J	<0.01 U	<0.01 U	0.0012 J
Potassium	7440-09-7	0.2	2.86	<1 U	<1 U	<1 U
Sodium	7440-23-5	0.2	40.1	<1 U	<1 U	<1 U
Thallium	7440-28-0	0.002	0.00036 J	<0.002 U	<0.002 U	<0.002 U
Vanadium	7440-62-2	0.01	<0.01 U	<0.01 U	0.00053 J	<0.01 U
Zinc	7440-66-6	0.01	<0.0049 UJ	<0.04 U	0.0104 J	0.0104 J
Semi-volatile Organic Compounds						
Benzenemethanol	100-51-6	0.01	<0.01 U	<0.01 U	<0.01 U	0.00078 J
Bis(2-ethylhexyl)phthalate	117-81-7	0.01	<0.01 U	<0.01 UJ	<0.01 UJ	0.014
Di-n-butyl phthalate	84-74-2	0.01	<0.01 U	<0.01 U	<0.01 U	0.00068 J
Volatile Organic Compounds						
2-Butanone	78-93-3	0.01	<0.01 U	<0.01 U	0.00072 J	<0.01 U
Acetone	67-64-1	0.01	<0.01 U	<0.01 U	0.004 J	0.017
Toluene	108-88-3	0.001	<0.001 U	0.00053 J	0.00042 J	0.00034 J
Alkalinity	NA	1.0	250 J	NA	NA	NA
Bicarbonate	NA	1.0	250 J	NA	NA	NA
Bromide	24959-67-9	0.2	0.3	NA	NA	NA
Chloride	16887-00-6	0.2	85.9	NA	NA	NA
Fluoride	16984-48-8	0.1	0.1	NA	NA	NA
Orthophosphate	14265-44-2	0.1	0.2	NA	NA	NA

Table C-6. Results for Analytes Detected in Field Blanks or Equipment Rinsate Samples (continued)

Sample Identification			SCFqc-001-0001-FB	PBA08-QC-6000-FB	PBA08-QC-6001-ER	PBA08-QC-6002-ER
Date			02/06/09	02/18/10	02/18/10	04/01/10
Sample Type		Project	Potable Water	Deionized Water	Equipment Rinse	Equipment Rinse
Analyte (mg/L)	CAS Number	Reporting Level	Blank	Blank	Blank	Blank
Miscellaneous						
Phosphorous, Total	NA	0.1	0.11	NA	NA	NA
Sulfate	14808-79-8	1.0	51.6	NA	NA	NA

Notes: Explosives, propellants, pesticides, and polychlorinated biphenyls were analyzed for and not detected.
Data Qualifiers: J = estimated, U = not detected, and UJ = not detected and reporting limit estimated.
Sample Type: FB = source water blank and ER = equipment rinse blank.
CAS = Chemical Abstract Service.
NA = Not applicable.

C.4 DATA QUALITY EVALUATION

C.4.1 Metals Analysis

C.4.1.1 Sediment and Soil

Analytical holding times were met for all samples. Initial calibration and continuing calibration criteria were achieved for all elements analyzed. Method blanks and instrument blanks contained low levels of various target analyte contamination, which caused 5 data points in sediment (4.3% of sediment data) and 43 data points in soil (7.76% of soil data) to be qualified as not detected "U" or "UJ." LCS recovery criteria were met for most sediment/soil matrices. However, sediment and soil LCS recovery deviations caused various analyte results for one sediment data point and one soil data point to be qualified as estimated "J" and represented 0.30% of the sediment/soil data. Due to MS/MSD recoveries being outside control limit criteria for several analytes, 8 data points in sediment (6.9% of sediment data) and 77 data points in soil (13.9% of soil data) were qualified as estimated "J" or "UJ." In one instance for soil, antimony exhibited very low MS recovery, which caused non-detectable concentration results for this analyte in associated soil and sediment samples LL6SB-069-5220-SO, LL6SB-083-5233-SO, LL6SB-083-5234-SO, LL6SB-083-5235-SO, LL6SB-069-5222-SO, and FWSSD-101-5009-SD to be rejected "R." In most cases, the cause of poor MS/MSD recoveries is a result of complex sample matrices or interferences. Other metals exhibited acceptable recoveries and were not qualified. Professional judgment, laboratory duplicate, or serial dilution deviations resulted in the estimation "J" of 11 sediment and soil data points (1.6% of sediment and soil data). Reporting levels are considered to be acceptable relative to QAPP goals. Laboratory duplicate comparisons and serial dilution criteria were acceptable. Due to elevated target levels present, 3 sediment and 16 soil samples required dilutions for various analytes. The reporting limit for non-detected thallium in sample LL6sd-084-5795-SD exceeded the facility-wide cleanup goal (FWCUG); however, the MDL remained below the FWCUG. Concentrations detected between the MDL and reporting limit would have been reported as an estimated value. Although some analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in the RVAAP Environmental Information Management System (REIMS).

C.4.1.2 Surface Water

Analytical holding times were met for all samples. Initial and continuing calibration criteria were achieved for all elements analyzed. Method blanks were acceptable and did not impact the data; however, instrument blanks did result in the qualification of one data point (1.1% of water data) as estimated non-detectable concentration "UJ." These qualifications did not impact the project's ability to consistently meet reporting levels. MS recoveries were satisfactory, except two data points were qualified as estimated "J" or estimated non-detectable concentration "UJ" due to MS recovery deviation (2.2% of water data). Serial dilution and duplicate comparisons were acceptable within the data set. LCS determinations were considered acceptable. Reporting levels are considered to be consistent with QAPP goals. Some data were qualified as estimated; however, none of the deviations

were considered severe enough to reject any of the data. No dilutions were required. No data were rejected. Although some analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.2 Volatile Organic Analysis

C.4.2.1 Sediment and Soil

Analytical holding times were met for all samples. Initial calibration criteria were achieved for all analytes analyzed. Continuing calibration criteria were achieved for most analytes; however, due to less than -20% continuing calibration percent differences (%D), two data points in sediment (1.9% of sediment data) and three data points in soil (1.7% of soil data) were qualified as estimated non-detectable concentration "UJ." Surrogate recovery deviations resulted in 35 sediment data points and 70 soil results being qualified as estimated "J" or estimated non-detectable concentration "UJ" as required and represented 37.5% of all sediment and soil data. Internal standard area counts and compound retention times were acceptable throughout the data analyses. Method blanks for sediment and soil contained low levels of various common laboratory contaminants, which caused three data points in sediment and two data points in soil to be qualified as not detected "U," as required in the associated samples. All LCS recoveries in sediment were within criteria. However, due to LCS recovery deviation, one soil data point (0.57% of soil data) was qualified as estimated non-detectable concentration "UJ." MS/MSD recovery deviations did result in 4 sediment data points (3.8% of sediment data) and 10 soil data points (5.7% of soil data) being qualified as estimated non-detectable concentration "UJ." No sediment or soil samples required dilutions. No data were rejected for any reason. Although some analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.2.2 Surface Water

Analytical holding times were met for all samples. All surrogate recoveries and internal standard areas/retention times were acceptable. Initial calibration criteria were met for all target analytes. Continuing calibration criteria were acceptable for most analytes. However, due to less than -20% continuing calibration %D, two data points (1.4% of surface water data) were qualified as estimated non-detectable concentration "UJ." Method blanks were free of contamination and had no impact on the sample data. One associated trip blank did cause one acetone water data point (0.71% of surface water data) to be qualified as estimated non-detectable concentration "UJ." Associated MS/MSD was acceptable. LCS recovery deviations resulted in three data points (2.1% of surface water data) being qualified as estimated non-detectable concentration "UJ." No dilutions were required. No data were rejected for any reason. Although some analyses were flagged as estimated because analyte results were between the detection level and the reporting level, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible.

Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.3 Semi-volatile Organic Analysis

C.4.3.1 Sediment and Soil

Analytical holding times were met for all samples. Surrogate recovery criteria were acceptable. Internal standard area counts and compound retention times were acceptable throughout the data analyses. Initial and continuing calibration criteria were met for all compounds. As a result of low-level common laboratory phthalate method blank levels, one sediment data point (0.51% of sediment data) and three soil data points (0.47% of soil data) were qualified as not detected "UJ." All LCS recoveries were within criteria. Associated sediment and soil MS/MSD recoveries and relative percent difference (RPD) values were acceptable. No sediment or soil samples required dilutions. No sediment/soil data were rejected for any reason. Although a few sediment/soil analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.3.2 Surface Water

One sample was extracted outside the holding time, thus causing 66 data points (25% of surface water data) to be qualified as estimated non-detectable concentration "UJ." Analytical holding times were met for all other samples. Low surrogate recoveries resulted in 34 analytes (13% of water data) in 1 sample being qualified as estimated non-detectable concentration "UJ." Due to less than 10% acid surrogate recoveries, non-detectable concentration results in LL6SW-084-5794-SW for 2,4,5-trichlorophenol; 2,4,6-trichlorophenol; 2,4-dichlorophenol; 2,4-dimethylphenol; 2,4-dinitrophenol; 2-chlorophenol; 2-methylphenol; 2-nitrophenol; 3-methylphenol/4methylphenol; 4,6-dinitro-2-methylphenol; 4-chloro-3-methylphenol; 4-nitrophenol; benzoic acid; benzenemethanol; pentachlorophenol; and phenol were rejected "R" and represented 6.1% of the water data. Internal standard areas and retention times were within acceptance criteria for all samples. Initial and continuing calibration criteria were met for all analytes. As a result of method blank levels, one data point (0.38% of water data) was qualified as not detected "UJ." All LCS recoveries were within criteria. Associated batch MS/MSD recoveries and RPD values were acceptable for all analytes. No water samples required dilutions. Although some analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible except for rejected data. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.4 Pesticide Analyses

C.4.4.1 Sediment and Soil

Holding time criteria were met for all pesticides sediment and soil samples. Initial calibrations were acceptable for all pesticide compounds. Pesticides continuing calibrations exceeded the 15%D limit for one soil analyte, which caused results for one soil data point (0.95% of pesticide soil data) to be qualified as estimated non-detectable concentration "UJ." All pesticides method blanks were free of contamination and had no impact on the sample data. All sediment and soil LCS recoveries were within acceptance criteria. Associated batch MS/MSD recoveries and RPD values were acceptable for all pesticide analytes in sediment and soil. Due to matrix interferences, one sediment and two soil pesticide samples were analyzed as dilutions, thereby causing reporting levels to be elevated in the effected samples. All detection levels remained below FWCUGs. No pesticide sediment or soil data were rejected for any reason. Although some analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.4.2 Surface Water

Analytical holding times were met for all samples. All pesticides and initial and continuing calibration criteria were met for all analytes. Due to greater than 15% continuing calibration %D, two pesticide data points (2.4% of pesticide water data) were qualified as estimated non-detectable concentration "UJ." All pesticides method blanks were free of contamination and had no impact on the data. All pesticides surrogate recoveries were within control limits. All pesticides LCS recoveries were within control criteria. Associated batch MS/MSD recoveries and RPD values were acceptable for pesticides analytes. One pesticides water sample required dilution. All of the reporting limits were below the FWCUGs with the exception of aldrin. However, the MDL remained below the FWCUG and concentrations detected between the MDL and reporting limit would have been reported as estimated values. No data were rejected for any reason. Although some analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.5 Polychlorinated Biphenyl Analysis

C.4.5.1 Sediment and Soil

Holding time criteria were met for all PCB sediment and soil samples. Initial and continuing calibration criteria were met for all PCB compounds. All PCB method blanks were free of contamination and had no impact on the sample data. All sediment and soil LCS recoveries were within acceptance criteria. Associated batch MS/MSD recoveries and RPD values were acceptable for all PCB analytes in sediment and soil. No PCB sediment or soil data were rejected for any reason. Although some analyses were qualified as estimated, the deviations observed should not have a

primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.5.2 Surface Water

Analytical holding times were met for all samples. All PCB initial and continuing calibration criteria were met for all analytes. All PCB method blanks were free of contamination and had no impact on the data. Due to low surrogate recoveries, seven PCB water data points (25% of PCB water data) were qualified as estimated non-detectable concentration "UJ." All PCB LCS recoveries were within control criteria. Associated batch MS/MSD recoveries and RPD values were acceptable for PCB analytes. No PCB water samples required dilutions. No data were rejected for any reason. Although some analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.6 Explosives and Nitroglycerin Analysis

C.4.6.1 Sediment and Soil

Analytical holding times were met for all samples. Surrogate recoveries were within acceptance criteria. Initial calibration criteria were acceptable for sediment and soil. Continuing calibration criteria for soil were acceptable for all targeted analytes. Most explosives sediment continuing calibration criteria were met, with the exception of one analyte that exhibited greater than 15%D, which caused one sediment data point (1.3% of explosives sediment data) to be qualified as estimated non-detectable concentration "UJ" for the effected analyte. All sediment and soil method blanks were free of contamination and had no impact on the sample data. All sediment and soil LCS recoveries were within criteria. MS/MSD recoveries and RPD values were also acceptable. No explosives sediment or soil samples required dilutions. No data were rejected for any reason. Although some analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.6.2 Surface Water

Analytical holding times were met for all samples. Initial calibration criteria were acceptable for all explosives analytes. Continuing calibration %D deviation of greater than 15%D caused one data point (1.6% of water data) to be qualified as estimated non-detectable concentration "UJ." All method blanks were free of contamination and had no impact on the sample data. Surrogate recoveries were acceptable throughout the data set. All LCS and MS/MSD recoveries and RPD values were within acceptance criteria. No explosives water samples required dilutions. No data were rejected for any reason. Although some analyses were qualified as estimated, the data are considered technically

sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.7 Nitroguanidine, Nitrocellulose, and Hexavalent Chromium Analyses

C.4.7.1 Sediment and Soil

Analytical holding times were met for all samples. Initial calibration criteria and continuing calibration criteria were met for all compounds. Method blanks for sediment and soil were free of contamination for nitroguanidine and hexavalent chromium, but one sediment nitrocellulose data point (20% sediment data) was qualified as estimated non detect "UJ" due to the associated method blank. All LCS recoveries were within criteria. Associated sediment and soil MS/MSD recoveries and RPD values were acceptable for all applicable analytes. No sediment or soil dilutions were required. No data were rejected for any reason. Although some analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.7.2 Surface Water

Initial and continuing calibration criteria were met for all analytes. Method blanks were free of contamination and had no impact on the sample data. All LCS recoveries were within control limits. Due to an exceeded holding time, one data point for nitrocellulose (14% of water data) was qualified as estimated non-detectable concentration "UJ." Associated batch MS recoveries that applied were acceptable. No dilutions were required for any samples. No data were rejected. Although some analyses were qualified as estimated, the deviations observed should not have a primary influence on the results, and the values are considered technically sound and defensible. Complete data summary tables, with associated qualifiers, are provided in Appendix D of the Load Line 6 RI Report and can be found in REIMS.

C.4.8 Precision

Field duplicate samples were collected to ascertain the contribution to variability (i.e., precision) due to the combination of environmental media, sampling consistency, and analytical precision. Field duplicate samples were collected from the same spatial and temporal conditions as the primary environmental sample. Soil samples were collected from the same sampling device, after homogenization for all analytes except VOCs.

Field duplicate comparison information is presented in Table C-7. If a given analyte was not detected in both the regular and field duplicate sample, precision was considered acceptable and results were not included in the table. The RPD was calculated only when both samples were >5x the reporting level. When one or both sample values were between the reporting level and 5x the reporting level, the absolute difference (D) was evaluated. Tables 3-1 and 3-2 of the FWQAPP set the RPD criteria at 50% for soils and sediments and at 30% for waters, while the absolute difference is set at 1x the

reporting limit for all matrices. Field duplicate comparisons for the AOC are considered good, with all results below an absolute difference of 1 or an RPD of 50%, with the exception of manganese in the soil duplicate at 54% RPD.

All field duplicate comparisons are considered good, with the highest RPD being for manganese (110% RPD) in soil duplicate pair LL6-078-5240-SO/LL6-078-6059-FD and arsenic with an absolute difference of 8.20 in sediment duplicate pair LL6SD-082-5245-SD/LL6SD-082-6063-FD. Along with a few other metals RPD values being slightly greater than 50%, the deviations can be directly attributed to difficult sample matrices, interferences, or "hot spots" within the samples, which are not uncommon for soil/sediment matrices.

C.4.9 Sensitivity

Determining minimum detectable values allows the investigation to assess the relative confidence that can be placed in a value relative to the magnitude or level of analyte concentration observed. The closer a measured value comes to the minimum detectable concentration, the less confidence and more variation the measurement will have. Project sensitivity goals were expressed as quantitation level goals in the QAPP. These levels were achieved or exceeded throughout the analytical process. Actual laboratory MDLs achieved during this investigation achieved project quantitation level goals. Individual analyte reporting levels varied due to matrix differences and contaminant analyte concentrations. Reporting levels were elevated in soil due to dilution factors, inherent moisture content variability, and results being reported in the standard dry weight format. The reporting limits for thallium in one sediment sample and aldrin in one water sample exceeded FWCUGs due to moisture content or dilution; however, the MDLs remained below FWCUGs. Reporting level variations were considered during data interpretation and statistical applications.

Table C-7. Field Duplicate Pair Comparisons for Analytes Detected in Samples from Load Line 6

Sample ID	Chemical	Regular Result	Duplicate Result	RPD% or Absolute Difference[a]	Test[b]
Metals					
Sediment (mg/kg)					
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Aluminum	7610	5210	37%	RPD
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Antimony	0.091 J	0.13 J	(0.05)	D
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Arsenic	9.6	3.4	(8.20)	D *
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Barium	57.4	62.9	9%	RPD
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Beryllium	0.55	0.54	(0.07)	D
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Cadmium	0.19 UJ	0.69	(1.60)	D *
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Calcium	852	934	(0.27)	D
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Chromium	12.4	9.7	24%	RPD
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Cobalt	12.8	8.9	36%	RPD
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Copper	15	18.9	23%	RPD
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Iron	28100	11600	83%	RPD*
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Lead	14.8	26.7	57%	RPD*
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Magnesium	2140	929	79%	RPD*
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Manganese	776	460	51%	RPD*
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Mercury	0.039 J	0.064 J	(0.17)	D
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Nickel	19	10.3	59%	RPD*
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Potassium	881	489	(2.60)	D *
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Selenium	0.97	0.68 J	(0.38)	D
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Sodium	32.1 J	36.7 J	(0.03)	D
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Thallium	0.095 J	0.33 U	(0.77)	D
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Vanadium	13.9	12.8	8%	RPD
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Zinc	72.9	106	37%	RPD
Semi-volatile Organic Compounds					
Sediment (mg/kg)					
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Fluoranthene	0.07 U	0.015 J	(0.72)	D

Table C-7. Field Duplicate Pair Comparisons for Analytes Detected in Samples from Load Line 6 (continued)

Sample ID	Chemical	Regular Result	Duplicate Result	RPD% or Absolute Difference[a]	Test[b]
Volatile Organic Compounds					
Sediment (mg/kg)					
LL6SD-082-5245-SD/ LL6SD-082-6063-FD	Toluene	0.007 U	0.00054 J	(0.85)	D
Metals					
Soil (mg/kg)					
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Aluminum	14700	12600	15%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Arsenic	11.1 J	12.8 J	14%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Barium	67.9	68.2	0%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Beryllium	0.66	0.59	(0.58)	D
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Cadmium	0.058 J	0.049 J	(0.04)	D
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Calcium	19900 J	11500 J	54%	RPD*
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Chromium	18.5 J	16.8 J	10%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Cobalt	10.5	10.2	3%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Copper	18.7	19.4	4%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Iron	26100	27100	4%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Lead	12	13	8%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Magnesium	6030 J	4870 J	21%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Manganese	311	266	16%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Nickel	24.5	24.4	0%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Potassium	2010	1170	53%	RPD*
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Selenium	1	1.2	(0.33)	D
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Silver	0.018 J	0.023 J	(0.01)	D
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Thallium	0.17 J	0.16 J	(0.04)	D
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Vanadium	22.3 J	19.8 J	12%	RPD
LL6SB-071-5228-SO/ LL6SB-071-6068-FD	Zinc	58	63.7	9%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Aluminum	10600	12900	20%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Arsenic	10.2	10.1 J	1%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Barium	75.8	76.1	0%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Beryllium	0.6	0.6	0%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Cadmium	0.07 J	0.06 J	(0.04)	D
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Calcium	35000	37200 J	6%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Chromium	19.7	19.2 J	3%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Cobalt	10.9	12.4	13%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Copper	18.6	18.5	1%	RPD

Table C-7. Field Duplicate Pair Comparisons for Analytes Detected in Samples from Load Line 6 (continued)

Sample ID	Chemical	Regular Result	Duplicate Result	RPD% or Absolute Difference[a]	Test[b]
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Iron	27400	26300	4%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Lead	11.3	11	3%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Magnesium	7800	7480 J	4%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Manganese	362	428	17%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Nickel	29.1	31.4	8%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Potassium	1900	1910	1%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Selenium	1.1	1	(0.17)	D
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Silver	0.022 J	0.021 J	(0.00)	D
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Thallium	0.2 J	0.2 J	(0.00)	D
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Vanadium	20.9	21 J	0%	RPD
LL6SB-071-5229-SO/ LL6SB-071-6069-FD	Zinc	53.3	51.7	3%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Aluminum	12800	9660	28%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Antimony	0.12 J	0.13 J	(0.02)	D
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Arsenic	12.8	10.8	17%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Barium	103	55.5	60%	RPD*
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Beryllium	0.68	0.57	(0.88)	D
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Calcium	2630 J	1820 J	36%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Chromium	16.6	13.9	18%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Cobalt	16.3	10.3	45%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Copper	15.7	14	11%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Iron	26100	23800	9%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Lead	18	20.7	14%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Magnesium	3170 J	2400 J	28%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Manganese	1820	538	110%	RPD*
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Mercury	0.042 J	0.041 J	(0.01)	D
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Nickel	26.2	17.7	39%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Potassium	1060	748	35%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Selenium	1.1	0.91	(0.30)	D
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Sodium	43.4 J	34.7 J	(0.07)	D
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Thallium	0.19 J	0.14 J	(0.20)	D
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Vanadium	22.1	20.1	10%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Zinc	63.8	51.3	22%	RPD

Table C-7. Field Duplicate Pair Comparisons for Analytes Detected in Samples from Load Line 6 (continued)

Sample ID	Chemical	Regular Result	Duplicate Result	RPD% or Absolute Difference[a]	Test[b]
Polycyclic Aromatic Hydrocarbons					
Soil (mg/kg)					
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Acenaphthene	0.0083 U	0.01	(0.20)	D
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Anthracene	0.017	0.031	(1.70)	D *
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Benz[a]anthracene	0.059	0.096	48%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Benzo[a]pyrene	0.054	0.088	48%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Benzo[b]fluoranthene	0.078	0.13	50%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Benzo[g,h,i]perylene	0.032	0.056	(2.90)	D *
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Benzo[k]fluoranthene	0.028	0.041	(1.60)	D *
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Chrysene	0.062	0.099	46%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Fluoranthene	0.16	0.28	55%	RPD*
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Indeno[1,2,3-cd]pyrene	0.03	0.05	(2.40)	D *
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Phenanthrene	0.069	0.12	54%	RPD*
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	Pyrene	0.12	0.19	45%	RPD
LL6SS-078-5240-SO/ LL6SS-078-6059-FD	dibenz[a,h]anthracene	0.0083 U	0.013	(0.56)	D

[a] Relative percent difference (RPD) is calculated as 100x |R-D|/(R-D)/2, where R is the concentration of the regular sample and D is the concentration of the duplicate. The absolute difference is calculated as |R-D|/L where L is the average reporting limit of the two samples. Values followed by a "%" are RPD values. Values in parentheses are absolute difference values.

[b] The test used to evaluate the duplicate comparison is the RPD if both sample results were more than 5x the reporting limit or the absolute difference (D) if any result was less than 5x the reporting limit.

* RPD or D outside criteria.

J = Estimated.

U = Not detected.

UJ = Not detected and reporting limit estimated.

Method blank determinations were performed with each analytical sample batch for each analyte under investigation. These blanks were evaluated during data review to determine their potential impact on individual data points, if any. Review action levels are set at 5x the detected blank concentration for all analytes, except those designated as common laboratory contaminants (i.e., methylene chloride, acetone, toluene, 2-butanone, and phthalate compounds) with action levels set at 10x the detected blank concentration. During data review, reported sample concentrations are assessed against method blank action levels, and the following qualifications are made when reportable quantities of analytes were observed in the associated method blank:

- When the analyte sample concentration is above 5 or 10x the action level, the data are not qualified and it is considered a positive value.
- When inorganic analyte sample concentrations are determined to be below 5 or 10x the action level, the data are considered impacted by the method blank and the value reported is qualified as a non-detectable concentration at the analyte value reported. These data are then qualified as "U."
- When organic analyte sample concentrations are determined to be below 5 or 10x the action level, the data are considered impacted by the method blank and the value reported is qualified as a non-detectable concentration. If the reported value is below the reporting level, the result is qualified as a non-detectable concentration at the reporting level. If the result is above the reporting limit, it is qualified as a non-detectable concentration at the analyte value reported. These data are then qualified as "U."

No data were rejected as a result of method blank contamination; however, various analytes were qualified as non-detectable concentration "U" according to the validation in Table C-4.

The common VOC laboratory contaminant acetone was detected in the five associated project trip blanks. The concentrations observed were less than the reporting level and ranged from 4.3 to 4.8 µg/L. The impact of these values has been assessed during data review, and the acetone value has been qualified in one water sample. Therefore, VOC analyses were determined to not be affected through the transportation and storage process, and the procedures and precautions employed were determined to be effective in preserving the integrity of the sample analysis.

C.4.10 Representativeness and Comparability

Representativeness expresses the degree to which data accurately reflect the analyte or parameter of interest for the environmental AOC and is the qualitative term most concerned with the proper design of the sampling program. Factors that affect the representativeness of analytical data include proper preservation, holding times, use of standard sampling and analytical methods, and determination of matrix or analyte interferences. Samples were hand-delivered to the laboratory by the TestAmerica courier and were received within temperature specifications and in good condition. Holding times were exceeded for one SVOC surface water sample and one propellants surface water sample; however, these samples were analyzed within two times the holding time and the data are considered usable but estimated. No other holding time deviations were observed.

Comparability, like representativeness, is a qualitative term relative to an individual project data set. The RI employed appropriate sampling methodologies, sample containers and preservation, site surveillance, use of standard sampling devices, uniform training, documentation of sampling, standard analytical protocols/procedures, QC checks with standard control limits, and universally accepted data reporting units to ensure comparability to other data sets. Through the proper implementation and documentation of these standard practices, the project has established the confidence that the data will be comparable to other project and programmatic information. Tables C-8 and C-9 present the standardized parameter groups, sample containers, preservation techniques, and associated holding times for environmental media.

C.4.11 Completeness

Usable data are defined as those data that pass individual scrutiny during the verification and validation process and are accepted for unrestricted application to the human health risk assessment evaluation or equivalent-type applications. Estimated data have been determined to be acceptable for RVAAP project objectives.

The completeness goal for analytical data is 90%, as defined in Tables 3-1 and 3-2 of the FWQAPP. The project achieved this goal by collecting all samples presented in the PBA08 SAP and producing usable results for 99.3% of all sample analyses performed.

C.5 DATA QUALITY ASSESSMENT SUMMARY

In concurrence with the USACE Chemical Data Quality Assessment presented in Attachment 1, the overall quality of the Load Line 6 RI Report data and information meets or exceeds the established project objectives. Through proper implementation of the project data verification and assessment process, project information has been determined to be acceptable for use.

Data, as presented, have been qualified as usable or estimated "J"/"UJ" or rejected "R." Data that have been estimated provide indications of accuracy, precision, or sensitivity being less than desired but adequate for interpretation. Data that have been rejected were relegated to 6 non-detectable concentration antimony results due to poor MS recoveries in sediment and soil samples FWSSD-101-5009-SD SDLL6SB-069-5220-SO, LL6SB-083-5233-SO, LL6SB-083-5324-SO, LL6SB-083-5235-SO, and LL6SB-069-5222-SO and 16 non-detectable concentration acid extractable results due to poor surrogate recoveries in surface water sample LL6SW-084-5794-SW. Qualifiers have been applied to data when necessary.

Data produced for this project demonstrate they can withstand scientific scrutiny; are appropriate for its intended purpose; are technically defensible; and are of known and acceptable sensitivity, precision, and accuracy. Data integrity has been documented through proper implementation of QA and QC measures. The environmental information presented has an established confidence that allows utilization for the project objectives and provides data for future needs.

C.6 AUGUST 2012 SAMPLING

One surface water and one sediment sample were collected in August 2012 for multiple parameters as noted in Table C-10. As discussed in Section C.3.2, verification staff performed a systematic examination of the reports, including ADR software, and subjected data to a systematic technical review by examining all field and analytical QC results and laboratory documentation. Data were assigned appropriate data qualification flags and reason codes as defined previously and as discussed below.

Sample receipt: The samples were received at the laboratory just above the 6˚C preservation requirement; however, data were not qualified because the samples were received within approximately four hours of sample collection. Samples were packed on ice, but did not have sufficient time to reach the desired temperature.

Metals: Method blank contamination resulted in the qualification of three metals results (i.e., beryllium, cadmium, cobalt) for the surface water sample (LL6SW-096-5871-SW) as not detected below the reporting levels "U." Reporting limits for aluminum and zinc in the surface water sample were above those specified in the QAPP but were well below the FWCUG. Other quality control analyses were within control limits.

VOC: As a result of surrogate recovery deviations, volatile organic results for the sediment sample (LL6SD-096-5870-SD) were qualified as estimated "J" or estimated non-detectable concentration "UJ." Method blanks contained low levels of acetone, and this compound was qualified as not detected "U" in the sediment sample. Other quality control analyses were within control limits.

SVOC: Analytical holding times were met for the sediment SVOC sample. Holding time was exceeded for the re-extraction of the surface water sample, which caused the data to be qualified as estimated "J" or estimated non-detectable concentration "UJ." Other QC analyses were within control limits.

Pesticides: The sediment pesticide sample required dilution and resulted in the limit of detection (LOD) and limit of quantitation above the QAPP reporting limit (with the exception of toxaphene) and above the FWCUG for dieldrin. Other QC analyses were within control limits.

PCBs: Aroclor 1242 had an LOD greater than the QAPP reporting limit. Other QC analyses were within control limits.

Explosives and Nitroglycerin Analyses: All QC analyses were within control limits.

Nitroguanidine, Nitrocellulose, and Hexavalent Chromium Analyses: MS recovery deviation resulted in the nitrocellulose sediment result being qualified as estimated non-detectable concentration "UJ." Other QC analyses were within control limits.

No other quality issues were noted during review and the data above were qualified as estimated as needed; no other data was qualified.

Table C-8. Container Requirements for Soil and Sediment Samples

Analyte Group	Container	Minimum Sample Size	Preservative	Holding Time
Volatile Organic Compounds	One 2-oz glass jar with septum cap (no headspace)	20 g	Cool, 4°C	14 days
Semi-volatile Organic Compounds	4-oz glass	30 g	Cool, 4°C	14 days (extraction) 40 days (analysis)
Pesticide Compounds	4-oz glass	30 g	Cool, 4°C	14 days (extraction) 40 days (analysis)
Polychlorinated Biphenyls	4-oz glass	30 g	Cool, 4°C	14 days (extraction) 40 days (analysis)
Polycyclic Aromatic Hydrocarbon Compounds	4-oz glass	30 g	Cool, 4°C	14 days (extraction) 40 days (analysis)
Explosive Compounds	4-oz glass	10 g	Cool, 4°C	14 days (extraction) 40 days (analysis)
Nitroguanidine	4-oz glass	10 g	Cool, 4°C	14 days (extraction) 40 days (analysis)
Nitrocellulose	4-oz glass	10 g	Cool, 4°C	14 days (extraction) 40 days (analysis)
Metals (TAL)	4-oz glass or plastic	20 g	Cool, 4°C	180 days; Hg at 28 days
Hexavalent Chromium	4-oz glass	20 g	Cool, 4°C	24 hr (extraction) 24 hr (analysis)
Geotechnical Parameters	Moisture/Density/Porosity/K – Shelby tube TOC – no special container Grain Size Fraction - no special container	Various 100 g 5,000 g	Air tight, cool Cool NA	NA

Hg = Mercury.
K= Permeability.
NA = Not applicable.
TAL = Target Analyte List.
TOC= Total Organic Carbon.

Table C-9. Container Requirements for Surface Water Samples

Analyte Group	Container	Minimum Sample Size	Preservative	Holding Time
Volatile Organic Compounds	Three 40-mL glass vial	Two 40 mL	HCl to pH <2 Cool, 4°C	14 days
Semi-volatile Organic Compounds	Two 1-L amber glass	1 L	Cool, 4°C	7 days (extraction) 40 days (analysis)
Pesticide Compounds	Two 1-L amber glass	1 L	Cool, 4°C	7 days (extraction) 40 days (analysis)
Polychlorinated Biphenyls	Two 1-L amber glass	1 L	Cool, 4°C	7 days (extraction) 40 days (analysis)
Polycyclic Aromatic Hydrocarbon Compounds	Two 1-L amber glass	1 L	Cool, 4°C	7 days (extraction) 40 days (analysis)
Explosive Compounds	Two 1-L amber glass	1 L	Cool, 4°C	7 days (extraction) 40 days (analysis)
Nitroguanidine	500-mL amber glass	10 mL	Cool, 4°C	7 days (extraction) 40 days (analysis)
Nitrocellulose	500-mL amber glass	100 mL	Cool, 4°C	7 days (extraction) 40 days (analysis)
Nitrate	250-mL poly	50 mL	Cool, 4°C	48 hr
Metals (TAL)	1-L HNO_3 poly	300 mL	HNO_3 to pH <2 Cool, 4°C	180 days; Hg at 28 days

HCl = Hydrochloric acid.
Hg = Mercury.
HNO_3 = Nitric acid.
TAL = Target analyte list.

Table C-10. Identification of August 2012 Samples Taken at Load Line 6

Environmental Samples	Laboratory Sample Delivery Group	Field Duplicates	USACE Split Samples	Metals + Hg	Explosives	SVOCs	Propellants	VOCs	Pesticides	PCBs	PAHs[a]	Hexavalent Chromium	Total Chromium
Soil													
LL6SD-096-5870-SD	J240-14026-4	NS	NS	X	X	X	X	X	X	X			
LL6SW-096-5871-SW	J240-14026-2	NS	NS	X	X	X	X	X	X	X			

NS = Not sampled.
PAH = Polycyclic aromatic hydrocarbon.
PCB = Polychlorinated biphenyl.
SVOC = Semi-volatile organic compound.
USACE = U.S. Army Corps of Engineers.
VOC = Volatile organic compound.
blank = Not sampled.

C.7 REFERENCES

DoD (U.S. Department of Defense) 2006. *Quality Systems Manual for Environmental Laboratories.* Environmental Data Quality Workgroup. Version 3. January 2006.

USACE (U.S. Army Corps of Engineers) 2001. *Facility-wide Sampling and Analysis Plan for Environmental Investigations at the Ravenna Army Ammunition Plant, Ravenna, Ohio*. March 2001.

USACE 2007. *Louisville DoD Quality Systems Manual Supplement*. Version 1. March 2007.

USACE 2009. *PBA 2008 Supplemental Investigation Sampling and Analysis Plan Addendum No. 1, Ravenna Army Ammunition Plant, Ravenna, Ohio*. December 2009.

USEPA (U.S. Environmental Protection Agency) 1994. *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*. EPA-540/R-94/013. February 1994.

USEPA 1999. *Contract Laboratory Program National Functional Guidelines for Organic Data Review*. EPA-540/R-99/008. Final. October 1999.

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ATTACHMENT 1

Chemical Data Usability Report

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MEMORANDUM FOR RECORD 6 November 2013

SUBJECT: FINAL CHEMICAL DATA USABILITY ASSESSMENT

PROJECT: Ravenna Army Ammunition Plant, Ravenna, Ohio
18 Areas of Concern (PBA08)
Load Line 6 Remedial Investigation

1. Purpose:

   This memorandum represents and documents the evaluation of the quality and usability of the analytical data obtained during the Phase II Remedial Investigation (RI) of Load Line 6 (RVAAP-33). This includes determination of contract compliance, data usability, and data quality objective attainment in accordance with EM 200-1-6, Chapter 5 (October 2006).

2. References:

   2.1 Data Quality Control Summary Report, Appendix C of the *Draft Phase II Remedial Investigation Report for Soil, Sediment, and Surface Water at RVAAP-33 Load Line 6*, prepared by SAIC, November 4, 2011.

   2.2 *Final Data Validation Report, Ravenna Army Ammunition Plant 18 Areas of Concern 2010 Sampling, Ravenna, Ohio*, prepared by MEC^{x}, LP, March 2013.

   2.3 *PBA 2008 Supplemental Investigation Sampling and Analysis Plan Addendum No. 1* (PBA08 SAP) prepared by SAIC, December 2009.

   2.4 *Facility-Wide Quality Assurance Project Plan for Environmental Investigations at the Ravenna Army Ammunition Plant, Appendix , Ravenna, Ohio* (FWQAPP), prepared by SAIC, March 2001.

   2.5 *DoD Quality Systems Manual for Environmental Laboratories*, Department of Defense (DoD QSM), Environmental Data Quality Workgroup, Version 3, January 2006.

   2.6 *Louisville DoD Quality Systems Manual Supplement, Version 1*, prepared by USACE –Louisville District, March 2007.

   2.7 EM 200-1-6, Chapter 5, Chemical Quality Assurance for Hazardous, Toxic and Radioactive Waste (HTRW) Projects, October 1997.

3. Project Description:

   The purpose of the RI at Load Line 6 was to supplement the data from previous sampling events to delineate the nature and extent of contamination, evaluate contaminant fate and transport, and complete a human health risk assessment (HHRA) and ecological risk assessment (ERA) to support remedial decisions. Depending on the results of the RI, a recommendation would be provided for either no further action (NFA) or a Feasibility Study (FS) that would evaluate potential remedies and future actions.

   Sampling was conducted in February through April 2010 by Science Application International Corporation (SAIC). Thirty-four environmental soil, sediment, and surface water samples were collected and analyzed for one or more of the following parameters: metals, explosives, propellants (nitrocellulose and nitroguanidine), pesticides, polychlorinated biphenyls (PCBs), semivolatile

organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), volatiles (VOCs), hexavalent chromium, and total chromium. Analytical services were provided by TestAmerica (TA-North Canton, OH and TA-West Sacramento, CA).

4. Analytical Program Overview:
Below are excerpts from Section 4.5 of the PBA08 SAP.

4.1 Data Quality Objectives

Data quality objective (DQO) summaries for this investigation will follow Tables 3-1 and 3-2 in the Facility-Wide QAPP. All QC parameters stated in the specific U.S. Environmental Protection Agency (USEPA) SW-846 methods will be adhered to for each chemical listed. The SW-846 method references found in the Facility-Wide QAPP have been revised to the Update III methods, as appropriate. Laboratories are required to comply with all methods as written; recommendations are considered requirements. Concurrence with the DoD QSM for Environmental Laboratories (DoD, 2006), and the Louisville QSM Supplement is expected.

4.2 Level of Quality Control Effort

QC efforts will follow Section 3.2 of the Facility-Wide QAPP. Field QC measurements will include field source water blanks, trip blanks, field duplicates, surrogates, and equipment rinsate blanks. Laboratory QC measurements will include method blanks, laboratory control samples (LCSs), laboratory duplicates, and matrix spike/matrix spike duplicate (MS/MSD) samples. LCS measurements will include the standard mid-level analyte concentration, plus a QC/method reporting level (MRL) low-level concentration. It is recognized that the laboratory will routinely perform and monitor the QC/MRL; however, guidance check limits will be utilized, as advisory and corrective action will not be required for individual analyte variances. The QC/MRL will be successfully analyzed at the beginning of the analytical sequences as required by the QSM. Additionally, the lab will analyze the QC/MRL sample at the close of the analytical sequence.

4.3 Accuracy, Precision, and Sensitivity of Analysis

Accuracy, precision, and sensitivity goals identified in Section 3.3 and Tables 3-1 through 3-9 of the Facility-Wide QAPP will be imposed for this investigation. As stated above, some of the analytical methods numbers have been updated (refer to Table 2-1 of this QAPP). Quality objectives related to individual method QC protocol will also follow requirements given in the DoD QSM for Environmental Laboratories and the Louisville QSM Supplement. Laboratories will make all reasonable attempts to meet the program and project reporting levels in Tables 3-1 through 3-9 of the Facility-Wide QAPP for each individual sample analysis.

4.4 Completeness, Representativeness, and Comparability

Completeness, representativeness, and comparability goals identified in Section 3.4 and Tables 3-1 and 3-2 of the Facility-Wide QAPP will be imposed for this investigation. The completeness goal for analytical data is 90%, as defined in Tables 3-1 and 3-2 of the FWQAPP.

5. Chemical Data Quality and Usability Assessment:
This assessment of the overall quality and usability of project data is based upon a thorough review of the associated Data Quality Control Summary Report as presented in Appendix C of the *Draft Phase II Remedial Investigation Report for Soil, Sediment, and Surface Water at RVAAP-33 Load Line 6*

(SAIC, 2011) and Section 11 of the *Final Data Validation Report, Ravenna Army Ammunition Plant 18 Areas of Concern 2010 Sampling* (MEC^x, 2013).

The Data Quality Control Summary Report represents the findings of the Level III data review of 100% of the primary data as performed by the contractor, SAIC. As a result of this review process, the data are qualified based on the technical assessment of the verification criteria. Qualifiers indicate the usability of the data.

Data validation was performed by MEC^x, a USACE-Louisville District contracted third-party. The Data Validation Report details their findings from the Level IV validation of 10% of the primary sample data, analysis of field duplicate results, and the determination of data. This evaluation includes review of the same QC elements as the primary contractor's review in addition to an in-depth look into the verification of sample results, target compound identification, and raw data. The intent is to verify the quality and the reliability of the primary data for its intended use.

The data were evaluated in the context of the data quality objective (DQOs) and measurement quality objectives (MQOs) as specified in the PBA08 SAP and FWQAPP referenced in items 2 and 4 above.

The subsections below present the U.S. Army Corps of Engineers – Louisville District's assessment of the chemical data quality generated for Load Line 6. This assessment includes determination of contract compliance, data usability, and data quality objective attainment.

5.1 Contract Compliance

Samples were collected and analyzed in accordance with the procedures specified in the project QAPPs. With minor exceptions, data met the QC specifications outlined in the DoD QSM and project QAPPs. Specific non-conformances and their impact on data usability are noted and described in the associated data evaluation reports.

Some analytes had method detection levels (MDLs) and/or reporting limits (RLs) that exceeded the criteria in Table 3-1 of the SAP or in Table 3-3 of the FWQAPP, if no criteria were listed in the SAP. The failure to achieve reporting limits (RLs) less than applicable criteria for some analytes was anticipated due to analytical limitations. Results with RLs/MDLs exceeding project criteria may still be usable during risk assessment; however, it is incumbent upon the final data user to make this determination on a case by case basis.

5.2 Data Quality Attainment

The quality of data generated for the Load Line 6 RI met the project DQOs. Usable definitive data of known and documented quality was produced for greater than 99 % of the sample analyses performed. This includes data qualified as estimated (J) due to QC outliers. The J qualifier indicates that accuracy, precision, or sensitivity is less than desired; however, the results are of sufficient quality to be considered usable.

During the contractor's 100% Level III evaluation, rejected data were relegated to 6 non-detectable antimony and 16 non-detectable acid extractable SVOC results for the samples

depicted below. Two additional results, 1 antimony and 1 benzoic acid, were rejected or deemed unusable during the 10% Level IV data validation performed by MEC[x] .

Load Line 6

Rejected Data

Sample	SDG	Analyte	Reason	Review
LL6SD-082-5245-SD	A0B180524	Benzoic Acid	LCS recovery (0%)	Level IV (10%)
LL6SB-071-5228-SO	A0C020458	Antimony	MS recovery (<30%)	
LL6SW-084-5794	A0D020496	2,4,5-Trichlorophenol	Surrogate recovery (<10%)	Level III (100%)
		2,4,6-Trichlorophenol		
		2,4-Dichlorophenol		
		24-Dimethylphenol		
		2,4-Dinitrophenol		
		2-Chlorphenol		
		2-Methylphenol		
		2-Nitrophenol		
		3-Methylphenol/4-methylphenol		
		4,6-Dinitro-2-methylphenol		
		4-Chloro-3-methylphenol		
		4-Nitrophenol		
		Benzoic Acid		
		Benzenemethanol		
		Pentachlorophenol		
		Phenol		
LL6SB-069-5222-SO	A0C050520	Antimony	MS recovery (<30%)	
FWSSD-101-5009-SD	A0B260454	Antimony	MS recovery (<30%)	
LL6SB-069-5220-SO				
LL6SB-083-5233-SO				
LL6SB-083-5234-SO				
LLL6SB-083-5234-SO				

5.3 Data Usability

Data were consistently reviewed and qualified by both the primary contractor and the third-party validator. Overall, findings were compatible. Although differences in professional opinion may have resulted in some data being qualified as estimated (J) by one reviewer and not the other, this rarely adversely impacted the usability of the data. The primary difference was in regards to qualification of data due to MRL recovery outliers. Section 3.2 of the FWQAPP considers the QC limits “guidance”. As such, SAIC notes the outliers but doesn’t qualify based upon them. Based upon professional opinion, MECx qualifies data associated with missing MRL standards or those with recovery outliers as estimated.

The benzoic acid result rejected in sample LL5SW-078-5796-SW during data validation was based upon professional judgment. The LCS recovery QC limit for benzoic acid is 0 to 110%. It

was the validator's contention that although 0% recovery is technically within the control limit, some recovery should be shown. Therefore, this nondetected result associated with the 0% benzoic acid recovery in the LCS was rejected.

6.0 Conclusion:

Through the proper implementation of the project data review, verification, and validation process that is outlined in the FWQAPP, the data for the Load Line 6 RI are deemed acceptable for use with some exceptions. Rejected and unusable data are relegated to 24 sample results (all nondetects) out of approximately 3,200 results. Based upon this assessment, greater than 99% of the analytical results are usable as qualified to meet the project DQOs; can withstand scientific scrutiny; are technically defensible; and are of known and acceptable quality in terms of sensitivity, precision, and accuracy.



Kathy Krantz
Project Chemist
USACE – Louisville District

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ATTACHMENT 2

Automated Data Review Outlier Reports

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Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Sample Date : 08/09/2012
Lab Sample ID: 240-14026-5

Lab Report Batch : 240-14026-1
Analysis Type: RE2/TOT

Lab ID : TA CAN
Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020						**Dilution: 10**														
Manganese	270		mg/Kg	D	YES															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RE2/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B						**Dilution: 1**														
1,3,5-TRINITROBENZENE	0.050		mg/Kg	U	YES	UJ	UJ													
3-NITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	0.050		mg/Kg	U	YES	UJ	UJ													

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date :
Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081A					**Dilution: 10**															
4,4'-DDD	9.3		ug/Kg	U	YES	UJ	UJ													
4,4'-DDE	9.3		ug/Kg	U	YES	UJ	UJ													
4,4'-DDT	9.3		ug/Kg	U	YES	UJ	UJ													
ALDRIN	18		ug/Kg	U	YES	UJ	UJ													
ALPHA-BHC	18		ug/Kg	U	YES	UJ	UJ													
alpha-Chordane	18		ug/Kg	U	YES	UJ	UJ													
BETA-BHC	18		ug/Kg	U	YES	UJ	UJ													
DELTA-BHC	18		ug/Kg	U	YES	UJ	UJ													
DIELDRIN	9.3		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN I	9.3		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN II	18		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN SULFATE	18		ug/Kg	U	YES	UJ	UJ													
ENDRIN	9.3		ug/Kg	U	YES	UJ	UJ													
ENDRIN ALDEHYDE	18		ug/Kg	U	YES	UJ	UJ													
ENDRIN KETONE	9.3		ug/Kg	U	YES	UJ	UJ													
gamma-BHC (Lindane)	18		ug/Kg	U	YES	UJ	UJ													
GAMMA-CHLORDANE	9.3		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR	18		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR EPOXIDE	18		ug/Kg	U	YES	UJ	UJ													
METHOXYCHLOR	46		ug/Kg	U	YES	UJ	UJ													
TOXAPHENE	280		ug/Kg	U	YES	UJ	UJ													
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1016	34		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1221	34		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1232	34		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1242	34		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1248	34		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1254	34		ug/Kg	U	YES	UJ	UJ													

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1260	34		ug/Kg	U	YES	UJ	UJ													
Analysis Method : 8260B					**Dilution: 1**															
1,1,1-TRICHLOROETHANE	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2,2-TETRACHLOROETHANE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2-TRICHLOROETHANE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHANE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHENE	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-Dibromoethane (Ethylene Dibromide)	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHANE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHENE (TOTAL)	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROPROPANE	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
2-Butanone (MEK)	2.7		ug/Kg	U	YES	UJ	UJ						UJ							
2-HEXANONE	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
4-Methyl-2-pentanone (MIBK)	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
ACETONE	8.6		ug/Kg	U	YES	UJ	UJ						UJ							
BENZENE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOCHLOROMETHANE	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
BROMODICHLOROMETHANE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOFORM	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
Bromomethane (Methyl bromide)	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON DISULFIDE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON TETRACHLORIDE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROBENZENE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
Chlorodibromomethane	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROETHANE	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROFORM	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROMETHANE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
CIS-1,3-DICHLOROPROPENE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					**Dilution: 1**															
ETHYLBENZENE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
METHYLENE CHLORIDE	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
STYRENE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
TETRACHLOROETHENE	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
TOLUENE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
TRANS-1,3-DICHLOROPROPENE	1.4		ug/Kg	U	YES	UJ	UJ						UJ							
TRICHLOROETHENE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
VINYL CHLORIDE	0.68		ug/Kg	U	YES	UJ	UJ						UJ							
Xylene (Total)	2.0		ug/Kg	U	YES	UJ	UJ						UJ							
Analysis Method : 8270C					**Dilution: 1**															
1,2,4-TRICHLOROBENZENE	37		ug/Kg	U	YES	UJ	UJ													
1,2-DICHLOROBENZENE	37		ug/Kg	U	YES	UJ	UJ													
1,3-DICHLOROBENZENE	37		ug/Kg	U	YES	UJ	UJ													
1,4-DICHLOROBENZENE	37		ug/Kg	U	YES	UJ	UJ													
2,4,5-TRICHLOROPHENOL	37		ug/Kg	U	YES	UJ	UJ													
2,4,6-TRICHLOROPHENOL	110		ug/Kg	U	YES	UJ	UJ													
2,4-DICHLOROPHENOL	37		ug/Kg	U	YES	UJ	UJ													
2,4-DIMETHYLPHENOL	110		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROPHENOL	110		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	37		ug/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	37		ug/Kg	U	YES	UJ	UJ													
2-CHLORONAPHTHALENE	4.5		ug/Kg	U	YES	UJ	UJ													
2-CHLOROPHENOL	37		ug/Kg	U	YES	UJ	UJ													
2-METHYLNAPHTHALENE	4.5		ug/Kg	U	YES	UJ	UJ													
2-METHYLPHENOL	110		ug/Kg	U	YES	UJ	UJ													
2-NITROANILINE	37		ug/Kg	U	YES	UJ	UJ													
2-NITROPHENOL	37		ug/Kg	U	YES	UJ	UJ													
3 & 4-Methylphenol	110		ug/Kg	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
3,3'-DICHLOROBENZIDINE	110		ug/Kg	U	YES	UJ	UJ													
3-NITROANILINE	110		ug/Kg	U	YES	UJ	UJ													
4,6-DINITRO-2-METHYLPHENOL	110		ug/Kg	U	YES	UJ	UJ													
4-BROMOPHENYL PHENYL ETHER	37		ug/Kg	U	YES	UJ	UJ													
4-CHLORO-3-METHYLPHENOL	37		ug/Kg	U	YES	UJ	UJ													
4-CHLOROANILINE	37		ug/Kg	U	YES	UJ	UJ													
4-CHLOROPHENYL PHENYL ETHER	37		ug/Kg	U	YES	UJ	UJ													
4-NITROANILINE	37		ug/Kg	U	YES	UJ	UJ													
4-NITROPHENOL	110		ug/Kg	U	YES	UJ	UJ													
ACENAPHTHENE	13		ug/Kg		YES	J	J													
ACENAPHTHYLENE	4.5		ug/Kg	U	YES	UJ	UJ													
ANTHRACENE	20		ug/Kg		YES	J	J													
Benz[a]anthracene	77		ug/Kg		YES	J	J													
Benzo[a]pyrene	90		ug/Kg		YES	J	J													
Benzo[b]fluoranthene	140		ug/Kg		YES	J	J													
Benzo[g,h,i]perylene	68		ug/Kg		YES	J	J													
Benzo[k]fluoranthene	66		ug/Kg	M	YES	J	J													
BENZOIC ACID	450		ug/Kg	U	YES	UJ	UJ													
BENZYL ALCOHOL	54		ug/Kg	J	YES	J	J							J						
BIS(2-CHLOROETHOXY)METHANE	37		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROETHYL) ETHER	4.5		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROISOPROPYL) ETHER	37		ug/Kg	U	YES	UJ	UJ													
BIS(2-ETHYLHEXYL) PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
BUTYL BENZYL PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
CARBAZOLE	37		ug/Kg	U	YES	UJ	UJ													
CHRYSENE	99		ug/Kg		YES	J	J													
Dibenz[a,h]anthracene	16		ug/Kg		YES	J	J													
DIBENZOFURAN	4.5		ug/Kg	U	YES	UJ	UJ													

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
DIETHYL PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
DIMETHYL PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
DI-N-BUTYL PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
DI-N-OCTYL PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
FLUORANTHENE	210		ug/Kg		YES	J	J													
FLUORENE	4.5		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROBENZENE	4.5		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROBUTADIENE	37		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROCYCLOPENTADIENE	37		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROETHANE	37		ug/Kg	U	YES	UJ	UJ													
Indeno[1,2,3-cd]pyrene	61		ug/Kg		YES	J	J													
ISOPHORONE	37		ug/Kg	U	YES	UJ	UJ													
NAPHTHALENE	4.5		ug/Kg	U	YES	UJ	UJ													
NITROBENZENE	4.5		ug/Kg	U	YES	UJ	UJ													
N-NITROSODI-N-PROPYLAMINE	37		ug/Kg	U	YES	UJ	UJ													
N-NITROSODIPHENYLAMINE	37		ug/Kg	U	YES	UJ	UJ													
PENTACHLOROPHENOL	110		ug/Kg	U	YES	UJ	UJ													
PHENANTHRENE	98		ug/Kg		YES	J	J													
PHENOL	37		ug/Kg	U	YES	UJ	UJ													
PYRENE	160		ug/Kg		YES	J	J													

*Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES/TOT
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 1**															
Aluminum	15000		mg/Kg		YES															
Antimony	0.14		mg/Kg	J	YES	J								J						
Arsenic	10		mg/Kg		YES															
Barium	84		mg/Kg		YES															
Beryllium	0.91		mg/Kg		YES															
Cadmium	0.51		mg/Kg		YES															
Calcium	3800		mg/Kg		YES															
Chromium	17		mg/Kg		YES															
Cobalt	9.4		mg/Kg		YES															
Copper	18		mg/Kg		YES															
Iron	23000		mg/Kg		YES															
Lead	27		mg/Kg		YES															
Magnesium	2700		mg/Kg		YES															
Nickel	21		mg/Kg		YES															
Potassium	1100		mg/Kg		YES															
SELENIUM	1.7		mg/Kg		YES															
Silver	0.072		mg/Kg	J	YES	J								J						
Sodium	35		mg/Kg	J	YES	J								J						
Thallium	0.21		mg/Kg	J	YES	J								J						
Vanadium	25		mg/Kg		YES															
Zinc	120		mg/Kg		YES															
Analysis Method : 7471A					**Dilution: 1**															
Mercury	0.10		mg/Kg	J	YES	J								J						
Analysis Method : WS-WC-0050					**Dilution: 1**															
Nitrocellulose	1.4		mg/Kg	J	YES	J					J			J						

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RES/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B					**Dilution: 1**															
1,3-DINITROBENZENE	0.050		mg/Kg	U	YES	UJ	UJ													
2,4,6-Trinitrotoluene (TNT)	0.050		mg/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
2-AMINO-4,6-DINITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
2-NITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
4-AMINO-2,6-DINITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
4-NITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.050		mg/Kg	U	YES	UJ	UJ													
Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	0.050		mg/Kg	U	YES	UJ	UJ													
NITROBENZENE	0.050		mg/Kg	U	YES	UJ	UJ													
Nitroglycerin	0.25		mg/Kg	U	YES	UJ	UJ													
PETN	0.25		mg/Kg	U	YES	UJ	UJ													
Analysis Method : 8330M					**Dilution: 1**															
Nitroguanidine	0.040		mg/Kg	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RE2/TOT
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 10**															
Manganese	690		mg/Kg	D	YES															

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RE2/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B						**Dilution: 1**														
1,3,5-TRINITROBENZENE	0.050		mg/Kg	U	YES	UJ	UJ													
1,3-DINITROBENZENE	0.050		mg/Kg	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081A					**Dilution: 5**															
4,4'-DDD	4.4		ug/Kg	U	YES	UJ	UJ													
4,4'-DDE	4.4		ug/Kg	U	YES	UJ	UJ													
4,4'-DDT	4.4		ug/Kg	U	YES	UJ	UJ													
ALDRIN	8.8		ug/Kg	U	YES	UJ	UJ													
ALPHA-BHC	8.8		ug/Kg	U	YES	UJ	UJ													
alpha-Chordane	8.8		ug/Kg	U	YES	UJ	UJ													
BETA-BHC	8.8		ug/Kg	U	YES	UJ	UJ													
DELTA-BHC	8.8		ug/Kg	U	YES	UJ	UJ													
DIELDRIN	4.4		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN I	4.4		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN II	8.8		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN SULFATE	8.8		ug/Kg	U	YES	UJ	UJ													
ENDRIN	4.4		ug/Kg	U	YES	UJ	UJ													
ENDRIN ALDEHYDE	8.8		ug/Kg	U	YES	UJ	UJ													
ENDRIN KETONE	4.4		ug/Kg	U	YES	UJ	UJ													
gamma-BHC (Lindane)	8.8		ug/Kg	U	YES	UJ	UJ													
GAMMA-CHLORDANE	4.4		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR	8.8		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR EPOXIDE	8.8		ug/Kg	U	YES	UJ	UJ													
METHOXYCHLOR	22		ug/Kg	U	YES	UJ	UJ													
TOXAPHENE	130		ug/Kg	U	YES	UJ	UJ													
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1016	33		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1221	33		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1232	33		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1242	33		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1248	33		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1254	33		ug/Kg	U	YES	UJ	UJ													

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Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1260	33		ug/Kg	U	YES	UJ	UJ													
Analysis Method : 8260B					**Dilution: 1**															
1,1,1-TRICHLOROETHANE	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2,2-TETRACHLOROETHANE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2-TRICHLOROETHANE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHANE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHENE	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-Dibromoethane (Ethylene Dibromide)	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHANE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHENE (TOTAL)	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROPROPANE	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
2-Butanone (MEK)	2.7		ug/Kg	U	YES	UJ	UJ						UJ							
2-HEXANONE	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
4-Methyl-2-pentanone (MIBK)	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
ACETONE	8.4		ug/Kg	U	YES	UJ	UJ						UJ							
BENZENE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOCHLOROMETHANE	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
BROMODICHLOROMETHANE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOFORM	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
Bromomethane (Methyl bromide)	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON DISULFIDE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON TETRACHLORIDE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROBENZENE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
Chlorodibromomethane	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROETHANE	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROFORM	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROMETHANE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
CIS-1,3-DICHLOROPROPENE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							

*Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					**Dilution: 1**															
ETHYLBENZENE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
METHYLENE CHLORIDE	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
STYRENE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
TETRACHLOROETHENE	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
TOLUENE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
TRANS-1,3-DICHLOROPROPENE	1.3		ug/Kg	U	YES	UJ	UJ						UJ							
TRICHLOROETHENE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
VINYL CHLORIDE	0.67		ug/Kg	U	YES	UJ	UJ						UJ							
Xylene (Total)	2.0		ug/Kg	U	YES	UJ	UJ						UJ							
Analysis Method : 8270C					**Dilution: 1**															
1,2,4-TRICHLOROBENZENE	37		ug/Kg	U	YES	UJ	UJ													
1,2-DICHLOROBENZENE	37		ug/Kg	U	YES	UJ	UJ													
1,3-DICHLOROBENZENE	37		ug/Kg	U	YES	UJ	UJ													
1,4-DICHLOROBENZENE	37		ug/Kg	U	YES	UJ	UJ													
2,4,5-TRICHLOROPHENOL	37		ug/Kg	U	YES	UJ	UJ													
2,4,6-TRICHLOROPHENOL	110		ug/Kg	U	YES	UJ	UJ													
2,4-DICHLOROPHENOL	37		ug/Kg	U	YES	UJ	UJ													
2,4-DIMETHYLPHENOL	110		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROPHENOL	110		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	37		ug/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	37		ug/Kg	U	YES	UJ	UJ													
2-CHLORONAPHTHALENE	4.5		ug/Kg	U	YES	UJ	UJ													
2-CHLOROPHENOL	37		ug/Kg	U	YES	UJ	UJ													
2-METHYLNAPHTHALENE	4.5		ug/Kg	U	YES	UJ	UJ													
2-METHYLPHENOL	110		ug/Kg	U	YES	UJ	UJ													
2-NITROANILINE	37		ug/Kg	U	YES	UJ	UJ													
2-NITROPHENOL	37		ug/Kg	U	YES	UJ	UJ													
3 & 4-Methylphenol	110		ug/Kg	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
3,3'-DICHLOROBENZIDINE	110		ug/Kg	U	YES	UJ	UJ													
3-NITROANILINE	110		ug/Kg	U	YES	UJ	UJ													
4,6-DINITRO-2-METHYLPHENOL	110		ug/Kg	U	YES	UJ	UJ													
4-BROMOPHENYL PHENYL ETHER	37		ug/Kg	U	YES	UJ	UJ													
4-CHLORO-3-METHYLPHENOL	37		ug/Kg	U	YES	UJ	UJ													
4-CHLOROANILINE	37		ug/Kg	U	YES	UJ	UJ													
4-CHLOROPHENYL PHENYL ETHER	37		ug/Kg	U	YES	UJ	UJ													
4-NITROANILINE	37		ug/Kg	U	YES	UJ	UJ													
4-NITROPHENOL	110		ug/Kg	U	YES	UJ	UJ													
ACENAPHTHENE	4.5		ug/Kg	U	YES	UJ	UJ													
ACENAPHTHYLENE	4.5		ug/Kg	U	YES	UJ	UJ													
ANTHRACENE	4.5		ug/Kg	U	YES	UJ	UJ													
Benz[a]anthracene	4.5		ug/Kg	U	YES	UJ	UJ													
Benzo[a]pyrene	4.5		ug/Kg	U	YES	UJ	UJ													
Benzo[b]fluoranthene	4.5		ug/Kg	U	YES	UJ	UJ													
Benzo[g,h,i]perylene	4.5		ug/Kg	U	YES	UJ	UJ													
Benzo[k]fluoranthene	4.5		ug/Kg	U	YES	UJ	UJ													
BENZOIC ACID	450		ug/Kg	U	YES	UJ	UJ													
BENZYL ALCOHOL	37		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROETHOXY)METHANE	37		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROETHYL) ETHER	4.5		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROISOPROPYL) ETHER	37		ug/Kg	U	YES	UJ	UJ													
BIS(2-ETHYLHEXYL) PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
BUTYL BENZYL PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
CARBAZOLE	37		ug/Kg	U	YES	UJ	UJ													
CHRYSENE	4.5		ug/Kg	U	YES	UJ	UJ													
Dibenz[a,h]anthracene	4.5		ug/Kg	U	YES	UJ	UJ													
DIBENZOFURAN	4.5		ug/Kg	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
DIETHYL PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
DIMETHYL PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
DI-N-BUTYL PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
DI-N-OCTYL PHTHALATE	37		ug/Kg	U	YES	UJ	UJ													
FLUORANTHENE	19		ug/Kg		YES	J	J													
FLUORENE	4.5		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROBENZENE	39		ug/Kg		YES	J	J													
HEXACHLOROBUTADIENE	37		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROCYCLOPENTADIENE	37		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROETHANE	37		ug/Kg	U	YES	UJ	UJ													
Indeno[1,2,3-cd]pyrene	4.5		ug/Kg	U	YES	UJ	UJ													
ISOPHORONE	37		ug/Kg	U	YES	UJ	UJ													
NAPHTHALENE	4.5		ug/Kg	U	YES	UJ	UJ													
NITROBENZENE	4.5		ug/Kg	U	YES	UJ	UJ													
N-NITROSODI-N-PROPYLAMINE	37		ug/Kg	U	YES	UJ	UJ													
N-NITROSODIPHENYLAMINE	37		ug/Kg	U	YES	UJ	UJ													
PENTACHLOROPHENOL	110		ug/Kg	U	YES	UJ	UJ													
PHENANTHRENE	9.7		ug/Kg		YES	J	J													
PHENOL	37		ug/Kg	U	YES	UJ	UJ													
PYRENE	14		ug/Kg		YES	J	J													

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES/TOT
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 1**															
Aluminum	13000		mg/Kg		YES															
Antimony	0.074		mg/Kg	J	YES	J								J						
Arsenic	5.3		mg/Kg		YES															
Barium	85		mg/Kg		YES															
Beryllium	0.71		mg/Kg		YES															
Cadmium	0.22		mg/Kg	J	YES	J								J						
Calcium	1300		mg/Kg		YES															
Chromium	11		mg/Kg		YES															
Cobalt	7.9		mg/Kg		YES															
Copper	7.4		mg/Kg		YES															
Iron	15000		mg/Kg		YES															
Lead	15		mg/Kg		YES															
Magnesium	1500		mg/Kg		YES															
Nickel	10		mg/Kg		YES															
Potassium	670		mg/Kg		YES															
SELENIUM	1.1		mg/Kg		YES															
Silver	0.094		mg/Kg	J	YES	J								J						
Sodium	25		mg/Kg	J	YES	J								J						
Thallium	0.20		mg/Kg	J	YES	J								J						
Vanadium	17		mg/Kg		YES															
Zinc	50		mg/Kg		YES															
Analysis Method : 7471A					**Dilution: 1**															
Mercury	0.053		mg/Kg	J	YES	J								J						
Analysis Method : WS-WC-0050					**Dilution: 1**															
Nitrocellulose	2.1		mg/Kg	J	YES	J					J			J						

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RES/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B					**Dilution: 1**															
2,4,6-Trinitrotoluene (TNT)	0.050		mg/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
2-AMINO-4,6-DINITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
2-NITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
3-NITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
4-AMINO-2,6-DINITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
4-NITROTOLUENE	0.050		mg/Kg	U	YES	UJ	UJ													
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.050		mg/Kg	U	YES	UJ	UJ													
Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	0.050		mg/Kg	U	YES	UJ	UJ													
NITROBENZENE	0.050		mg/Kg	U	YES	UJ	UJ													
Nitroglycerin	0.25		mg/Kg	U	YES	UJ	UJ													
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	0.050		mg/Kg	U	YES	UJ	UJ													
PETN	0.25		mg/Kg	U	YES	UJ	UJ													
Analysis Method : 8330M					**Dilution: 1**															
Nitroguanidine	0.040		mg/Kg	U	YES	UJ	UJ													

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RE2/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B						**Dilution: 1**														
1,3,5-TRINITROBENZENE	0.049		mg/Kg	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081A					**Dilution: 5**															
4,4'-DDD	5.0		ug/Kg	U	YES	UJ	UJ													
4,4'-DDE	5.0		ug/Kg	U	YES	UJ	UJ													
4,4'-DDT	5.0		ug/Kg	U	YES	UJ	UJ													
ALDRIN	10		ug/Kg	U	YES	UJ	UJ													
ALPHA-BHC	10		ug/Kg	U	YES	UJ	UJ													
alpha-Chordane	10		ug/Kg	U	YES	UJ	UJ													
BETA-BHC	10		ug/Kg	U	YES	UJ	UJ													
DELTA-BHC	10		ug/Kg	U	YES	UJ	UJ													
DIELDRIN	5.0		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN I	5.0		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN II	10		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN SULFATE	10		ug/Kg	U	YES	UJ	UJ													
ENDRIN	5.0		ug/Kg	U	YES	UJ	UJ													
ENDRIN ALDEHYDE	10		ug/Kg	U	YES	UJ	UJ													
ENDRIN KETONE	5.0		ug/Kg	U	YES	UJ	UJ													
gamma-BHC (Lindane)	10		ug/Kg	U	YES	UJ	UJ													
GAMMA-CHLORDANE	5.0		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR	10		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR EPOXIDE	10		ug/Kg	U	YES	UJ	UJ													
METHOXYCHLOR	25		ug/Kg	U	YES	UJ	UJ													
TOXAPHENE	150		ug/Kg	U	YES	UJ	UJ													
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1016	37		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1221	37		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1232	37		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1242	37		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1248	37		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1254	37		ug/Kg	U	YES	UJ	UJ													

*Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1260	37		ug/Kg	U	YES	UJ	UJ						UJ							
Analysis Method : 8260B					**Dilution: 1**															
1,1,1-TRICHLOROETHANE	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2,2-TETRACHLOROETHANE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2-TRICHLOROETHANE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHANE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHENE	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-Dibromoethane (Ethylene Dibromide)	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHANE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHENE (TOTAL)	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROPROPANE	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
2-Butanone (MEK)	5.3		ug/Kg	J	YES	J	J						J	J						
2-HEXANONE	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
4-Methyl-2-pentanone (MIBK)	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
ACETONE	41		ug/Kg		YES	J	J						J							
BENZENE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOCHLOROMETHANE	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
BROMODICHLOROMETHANE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOFORM	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
Bromomethane (Methyl bromide)	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON DISULFIDE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON TETRACHLORIDE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROBENZENE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
Chlorodibromomethane	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROETHANE	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROFORM	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROMETHANE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
CIS-1,3-DICHLOROPROPENE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							

*Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					**Dilution: 1**															
ETHYLBENZENE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
METHYLENE CHLORIDE	2.3		ug/Kg	J	YES	J	J						J	J						
STYRENE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
TETRACHLOROETHENE	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
TOLUENE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
TRANS-1,3-DICHLOROPROPENE	1.5		ug/Kg	U	YES	UJ	UJ						UJ							
TRICHLOROETHENE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
VINYL CHLORIDE	0.75		ug/Kg	U	YES	UJ	UJ						UJ							
Xylene (Total)	2.3		ug/Kg	U	YES	UJ	UJ						UJ							
Analysis Method : 8270C					**Dilution: 1**															
1,2,4-TRICHLOROBENZENE	40		ug/Kg	U	YES	UJ	UJ													
1,2-DICHLOROBENZENE	40		ug/Kg	U	YES	UJ	UJ													
1,3-DICHLOROBENZENE	40		ug/Kg	U	YES	UJ	UJ													
1,4-DICHLOROBENZENE	40		ug/Kg	U	YES	UJ	UJ													
2,4,5-TRICHLOROPHENOL	40		ug/Kg	U	YES	UJ	UJ													
2,4,6-TRICHLOROPHENOL	120		ug/Kg	U	YES	UJ	UJ													
2,4-DICHLOROPHENOL	40		ug/Kg	U	YES	UJ	UJ													
2,4-DIMETHYLPHENOL	120		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROPHENOL	120		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	40		ug/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	40		ug/Kg	U	YES	UJ	UJ													
2-CHLORONAPHTHALENE	4.9		ug/Kg	U	YES	UJ	UJ													
2-CHLOROPHENOL	40		ug/Kg	U	YES	UJ	UJ													
2-METHYLNAPHTHALENE	4.9		ug/Kg	U	YES	UJ	UJ													
2-METHYLPHENOL	120		ug/Kg	U	YES	UJ	UJ													
2-NITROANILINE	40		ug/Kg	U	YES	UJ	UJ													
2-NITROPHENOL	40		ug/Kg	U	YES	UJ	UJ													
3 & 4-Methylphenol	120		ug/Kg	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
3,3'-DICHLOROBENZIDINE	120		ug/Kg	U	YES	UJ	UJ													
3-NITROANILINE	120		ug/Kg	U	YES	UJ	UJ													
4,6-DINITRO-2-METHYLPHENOL	120		ug/Kg	U	YES	UJ	UJ													
4-BROMOPHENYL PHENYL ETHER	40		ug/Kg	U	YES	UJ	UJ													
4-CHLORO-3-METHYLPHENOL	40		ug/Kg	U	YES	UJ	UJ													
4-CHLOROANILINE	40		ug/Kg	U	YES	UJ	UJ													
4-CHLOROPHENYL PHENYL ETHER	40		ug/Kg	U	YES	UJ	UJ													
4-NITROANILINE	40		ug/Kg	U	YES	UJ	UJ													
4-NITROPHENOL	120		ug/Kg	U	YES	UJ	UJ													
ACENAPHTHENE	4.9		ug/Kg	U	YES	UJ	UJ													
ACENAPHTHYLENE	4.9		ug/Kg	U	YES	UJ	UJ													
ANTHRACENE	4.9		ug/Kg	U	YES	UJ	UJ													
Benz[a]anthracene	4.9		ug/Kg	U	YES	UJ	UJ													
Benzo[a]pyrene	4.9		ug/Kg	U	YES	UJ	UJ													
Benzo[b]fluoranthene	4.9		ug/Kg	U	YES	UJ	UJ													
Benzo[g,h,i]perylene	4.9		ug/Kg	U	YES	UJ	UJ													
Benzo[k]fluoranthene	4.9		ug/Kg	U	YES	UJ	UJ													
BENZOIC ACID	490		ug/Kg	U	YES	UJ	UJ													
BENZYL ALCOHOL	40		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROETHOXY)METHANE	40		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROETHYL) ETHER	4.9		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROISOPROPYL) ETHER	40		ug/Kg	U	YES	UJ	UJ													
BIS(2-ETHYLHEXYL) PHTHALATE	40		ug/Kg	U	YES	UJ	UJ													
BUTYL BENZYL PHTHALATE	40		ug/Kg	U	YES	UJ	UJ													
CARBAZOLE	40		ug/Kg	U	YES	UJ	UJ													
CHRYSENE	4.9		ug/Kg	U	YES	UJ	UJ													
Dibenz[a,h]anthracene	4.9		ug/Kg	U	YES	UJ	UJ													
DIBENZOFURAN	4.9		ug/Kg	U	YES	UJ	UJ													

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Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
DIETHYL PHTHALATE	40		ug/Kg	U	YES	UJ	UJ													
DIMETHYL PHTHALATE	40		ug/Kg	U	YES	UJ	UJ													
DI-N-BUTYL PHTHALATE	40		ug/Kg	U	YES	UJ	UJ													
DI-N-OCTYL PHTHALATE	40		ug/Kg	U	YES	UJ	UJ													
FLUORANTHENE	9.8		ug/Kg	J	YES	J	J							J						
FLUORENE	4.9		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROBENZENE	4.9		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROBUTADIENE	40		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROCYCLOPENTADIENE	40		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROETHANE	40		ug/Kg	U	YES	UJ	UJ													
Indeno[1,2,3-cd]pyrene	4.9		ug/Kg	U	YES	UJ	UJ													
ISOPHORONE	40		ug/Kg	U	YES	UJ	UJ													
NAPHTHALENE	4.9		ug/Kg	U	YES	UJ	UJ													
NITROBENZENE	4.9		ug/Kg	U	YES	UJ	UJ													
N-NITROSODI-N-PROPYLAMINE	40		ug/Kg	U	YES	UJ	UJ													
N-NITROSODIPHENYLAMINE	40		ug/Kg	U	YES	UJ	UJ													
PENTACHLOROPHENOL	120		ug/Kg	U	YES	UJ	UJ													
PHENANTHRENE	4.9		ug/Kg	U	YES	UJ	UJ													
PHENOL	40		ug/Kg	U	YES	UJ	UJ													
PYRENE	4.9		ug/Kg	U	YES	UJ	UJ													

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES/TOT
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 1**															
Aluminum	12000		mg/Kg		YES															
Antimony	0.37		mg/Kg		YES															
Arsenic	3.5		mg/Kg		YES															
Barium	53		mg/Kg		YES															
Beryllium	0.51		mg/Kg		YES															
Cadmium	0.075		mg/Kg	J	YES	J								J						
Calcium	1300		mg/Kg		YES															
Chromium	15		mg/Kg		YES															
Cobalt	5.9		mg/Kg		YES															
Copper	25		mg/Kg		YES															
Iron	18000		mg/Kg		YES															
Lead	27		mg/Kg		YES															
Magnesium	2100		mg/Kg		YES															
Manganese	160		mg/Kg		YES															
Nickel	13		mg/Kg		YES															
Potassium	930		mg/Kg		YES															
SELENIUM	0.87		mg/Kg		YES															
Silver	0.037		mg/Kg	J	YES	J								J						
Sodium	24		mg/Kg	J	YES	J								J						
Thallium	0.15		mg/Kg	J	YES	J								J						
Vanadium	27		mg/Kg		YES															
Zinc	37		mg/Kg		YES															
Analysis Method : 7471A					**Dilution: 1**															
Mercury	0.045		mg/Kg	U	YES															
Analysis Method : WS-WC-0050					**Dilution: 1**															
Nitrocellulose	2.7		mg/Kg	U	YES	UJ					UJ									

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RES/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B					**Dilution: 1**															
1,3-DINITROBENZENE	0.049		mg/Kg	U	YES	UJ	UJ													
2,4,6-Trinitrotoluene (TNT)	0.049		mg/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	0.049		mg/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	0.049		mg/Kg	U	YES	UJ	UJ													
2-AMINO-4,6-DINITROTOLUENE	0.049		mg/Kg	U	YES	UJ	UJ													
2-NITROTOLUENE	0.049		mg/Kg	U	YES	UJ	UJ													
3-NITROTOLUENE	0.049		mg/Kg	U	YES	UJ	UJ													
4-AMINO-2,6-DINITROTOLUENE	0.049		mg/Kg	U	YES	UJ	UJ													
4-NITROTOLUENE	0.049		mg/Kg	U	YES	UJ	UJ													
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.049		mg/Kg	U	YES	UJ	UJ													
Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	0.049		mg/Kg	U	YES	UJ	UJ													
NITROBENZENE	0.049		mg/Kg	U	YES	UJ	UJ													
Nitroglycerin	0.24		mg/Kg	U	YES	UJ	UJ													
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	0.049		mg/Kg	U	YES	UJ	UJ													
PETN	0.24		mg/Kg	U	YES	UJ	UJ													
Analysis Method : 8330M					**Dilution: 1**															
Nitroguanidine	0.039		mg/Kg	U	YES	UJ	UJ													

*Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RE2
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B						**Dilution: 1**														
1,3,5-TRINITROBENZENE	0.051		ug/L	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RE2/TOT
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020						**Dilution: 1**														
Beryllium	0.27		ug/L	J	YES	J								J						
Cadmium	0.17		ug/L	J	YES	J								J						
Cobalt	0.35		ug/L	J	YES	J								J						
Sodium	520		ug/L	J	YES	J								J						

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW **Lab Report Batch :** 240-14026-1 **Lab ID :** TA CAN

Sample Date : 08/09/2012 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: 240-14026-2

Reviewed By / Date : **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081A					**Dilution: 1**															
4,4'-DDD	0.0096		ug/L	U	YES	UJ	UJ													
4,4'-DDE	0.0096		ug/L	U	YES	UJ	UJ													
4,4'-DDT	0.029		ug/L	U	YES	UJ	UJ													
ALDRIN	0.0096		ug/L	U	YES	UJ	UJ													
ALPHA-BHC	0.0096		ug/L	U	YES	UJ	UJ													
alpha-Chordane	0.013		ug/L	U	YES	UJ	UJ													
BETA-BHC	0.0096		ug/L	U	YES	UJ	UJ													
DELTA-BHC	0.0096		ug/L	U	YES	UJ	UJ													
DIELDRIN	0.0096		ug/L	U	YES	UJ	UJ													
ENDOSULFAN I	0.013		ug/L	U	YES	UJ	UJ													
ENDOSULFAN II	0.012		ug/L	U	YES	UJ	UJ													
ENDOSULFAN SULFATE	0.011		ug/L	U	YES	UJ	UJ													
ENDRIN	0.011		ug/L	U	YES	UJ	UJ													
ENDRIN ALDEHYDE	0.011		ug/L	U	YES	UJ	UJ													
ENDRIN KETONE	0.0096		ug/L	U	YES	UJ	UJ													
gamma-BHC (Lindane)	0.0096		ug/L	U	YES	UJ	UJ													
GAMMA-CHLORDANE	0.012		ug/L	U	YES	UJ	UJ													
HEPTACHLOR	0.0096		ug/L	U	YES	UJ	UJ													
HEPTACHLOR EPOXIDE	0.0096		ug/L	U	YES	UJ	UJ													
METHOXYCHLOR	0.031		ug/L	U	YES	UJ	UJ													
TOXAPHENE	0.48		ug/L	U	YES	UJ	UJ													
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1016	0.19		ug/L	U	YES	UJ	UJ													
AROCLOR 1221	0.19		ug/L	U	YES	UJ	UJ													
AROCLOR 1232	0.19		ug/L	U	YES	UJ	UJ													
AROCLOR 1242	0.38		ug/L	U	YES	UJ	UJ													
AROCLOR 1248	0.19		ug/L	U	YES	UJ	UJ													
AROCLOR 1254	0.19		ug/L	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1260	0.19		ug/L	U	YES	UJ	UJ													
Analysis Method : 8260B					**Dilution: 1**															
1,1,1-TRICHLOROETHANE	0.25		ug/L	U	YES	UJ	UJ													
1,1,2,2-TETRACHLOROETHANE	0.25		ug/L	U	YES	UJ	UJ													
1,1,2-TRICHLOROETHANE	0.50		ug/L	U	YES	UJ	UJ													
1,1-DICHLOROETHANE	0.25		ug/L	U	YES	UJ	UJ													
1,1-DICHLOROETHENE	0.25		ug/L	U	YES	UJ	UJ													
1,2-Dibromoethane (Ethylene Dibromide)	0.25		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROETHANE	0.25		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROETHENE (TOTAL)	0.50		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROPROPANE	0.25		ug/L	U	YES	UJ	UJ													
2-Butanone (MEK)	0.72		ug/L	J	YES	J	J							J						
2-HEXANONE	0.50		ug/L	U	YES	UJ	UJ													
4-Methyl-2-pentanone (MIBK)	0.50		ug/L	U	YES	UJ	UJ													
ACETONE	1.1		ug/L	U	YES	UJ	UJ													
BENZENE	0.25		ug/L	U	YES	UJ	UJ													
BROMOCHLOROMETHANE	0.50		ug/L	U	YES	UJ	UJ													
BROMODICHLOROMETHANE	0.25		ug/L	U	YES	UJ	UJ													
BROMOFORM	0.64		ug/L	U	YES	UJ	UJ													
Bromomethane (Methyl bromide)	0.50		ug/L	U	YES	UJ	UJ													
CARBON DISULFIDE	0.25		ug/L	U	YES	UJ	UJ													
CARBON TETRACHLORIDE	0.25		ug/L	U	YES	UJ	UJ													
CHLOROBENZENE	0.25		ug/L	U	YES	UJ	UJ													
Chlorodibromomethane	0.25		ug/L	U	YES	UJ	UJ													
CHLOROETHANE	0.50		ug/L	U	YES	UJ	UJ													
CHLOROFORM	0.25		ug/L	U	YES	UJ	UJ													
CHLOROMETHANE	0.50		ug/L	U	YES	UJ	UJ													
CIS-1,3-DICHLOROPROPENE	0.25		ug/L	U	YES	UJ	UJ													

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Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					**Dilution: 1**															
ETHYLBENZENE	0.25		ug/L	U	YES	UJ	UJ													
METHYLENE CHLORIDE	0.50		ug/L	U	YES	UJ	UJ													
STYRENE	0.25		ug/L	U	YES	UJ	UJ													
TETRACHLOROETHENE	0.50		ug/L	U	YES	UJ	UJ													
TOLUENE	0.25		ug/L	U	YES	UJ	UJ													
TRANS-1,3-DICHLOROPROPENE	0.25		ug/L	U	YES	UJ	UJ													
TRICHLOROETHENE	0.25		ug/L	U	YES	UJ	UJ													
VINYL CHLORIDE	0.25		ug/L	U	YES	UJ	UJ													
Xylene (Total)	0.75		ug/L	U	YES	UJ	UJ													
Analysis Method : 8270C					**Dilution: 1**															
1,2,4-TRICHLOROBENZENE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
1,2-DICHLOROBENZENE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
1,3-DICHLOROBENZENE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
1,4-DICHLOROBENZENE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
2,4,5-TRICHLOROPHENOL	0.76		ug/L	U H	YES	UJ	UJ	UJ												
2,4,6-TRICHLOROPHENOL	0.76		ug/L	U H	YES	UJ	UJ	UJ												
2,4-DICHLOROPHENOL	0.76		ug/L	U H	YES	UJ	UJ	UJ												
2,4-DIMETHYLPHENOL	0.76		ug/L	U H	YES	UJ	UJ	UJ												
2,4-DINITROPHENOL	2.3		ug/L	U H	YES	UJ	UJ	UJ												
2,4-DINITROTOLUENE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
2,6-DINITROTOLUENE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
2-CHLORONAPHTHALENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
2-CHLOROPHENOL	0.76		ug/L	U H	YES	UJ	UJ	UJ												
2-METHYLNAPHTHALENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
2-METHYLPHENOL	0.76		ug/L	U H	YES	UJ	UJ	UJ												
2-NITROANILINE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
2-NITROPHENOL	0.76		ug/L	U H	YES	UJ	UJ	UJ												
3 & 4-Methylphenol	0.76		ug/L	U H	YES	UJ	UJ	UJ												

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
3,3'-DICHLOROBENZIDINE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
3-NITROANILINE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
4,6-DINITRO-2-METHYLPHENOL	2.3		ug/L	U H	YES	UJ	UJ	UJ												
4-BROMOPHENYL PHENYL ETHER	0.76		ug/L	U H	YES	UJ	UJ	UJ												
4-CHLORO-3-METHYLPHENOL	0.76		ug/L	U H	YES	UJ	UJ	UJ												
4-CHLOROANILINE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
4-CHLOROPHENYL PHENYL ETHER	0.76		ug/L	U H	YES	UJ	UJ	UJ												
4-NITROANILINE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
4-NITROPHENOL	2.3		ug/L	U H	YES	UJ	UJ	UJ												
ACENAPHTHENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
ACENAPHTHYLENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
ANTHRACENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
Benz[a]anthracene	0.095		ug/L	U H	YES	UJ	UJ	UJ												
Benzo[a]pyrene	0.095		ug/L	U H	YES	UJ	UJ	UJ												
Benzo[b]fluoranthene	0.095		ug/L	U H	YES	UJ	UJ	UJ												
Benzo[g,h,i]perylene	0.095		ug/L	U H	YES	UJ	UJ	UJ												
Benzo[k]fluoranthene	0.095		ug/L	U H	YES	UJ	UJ	UJ												
BENZOIC ACID	9.5		ug/L	U H	YES	UJ	UJ	UJ												
BENZYL ALCOHOL	0.76		ug/L	U H	YES	UJ	UJ	UJ												
BIS(2-CHLOROETHOXY)METHANE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
BIS(2-CHLOROETHYL) ETHER	0.095		ug/L	U H	YES	UJ	UJ	UJ												
BIS(2-CHLOROISOPROPYL) ETHER	0.76		ug/L	U H	YES	UJ	UJ	UJ												
BIS(2-ETHYLHEXYL) PHTHALATE	0.90		ug/L	J H	YES	J	J	J						J						
BUTYL BENZYL PHTHALATE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
CARBAZOLE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
CHRYSENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
Dibenz[a,h]anthracene	0.095		ug/L	U H	YES	UJ	UJ	UJ												
DIBENZOFURAN	0.095		ug/L	U H	YES	UJ	UJ	UJ												

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
DIETHYL PHTHALATE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
DIMETHYL PHTHALATE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
DI-N-BUTYL PHTHALATE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
DI-N-OCTYL PHTHALATE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
FLUORANTHENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
FLUORENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
HEXACHLOROBENZENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
HEXACHLOROBUTADIENE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
HEXACHLOROCYCLOPENTADIENE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
HEXACHLOROETHANE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
Indeno[1,2,3-cd]pyrene	0.095		ug/L	U H	YES	UJ	UJ	UJ												
ISOPHORONE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
NAPHTHALENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
NITROBENZENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
N-NITROSODI-N-PROPYLAMINE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
N-NITROSODIPHENYLAMINE	0.76		ug/L	U H	YES	UJ	UJ	UJ												
PENTACHLOROPHENOL	2.3		ug/L	U H	YES	UJ	UJ	UJ												
PHENANTHRENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
PHENOL	0.76		ug/L	U H	YES	UJ	UJ	UJ												
PYRENE	0.095		ug/L	U H	YES	UJ	UJ	UJ												
Analysis Method : 8330B					**Dilution: 1**															
1,3-DINITROBENZENE	0.10		ug/L	U	YES	UJ	UJ													
2,4,6-Trinitrotoluene (TNT)	0.10		ug/L	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	0.10		ug/L	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	0.10		ug/L	U	YES	UJ	UJ													
2-AMINO-4,6-DINITROTOLUENE	0.10		ug/L	U	YES	UJ	UJ													
2-NITROTOLUENE	0.10		ug/L	U	YES	UJ	UJ													
3-NITROTOLUENE	0.10		ug/L	U	YES	UJ	UJ													

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B					**Dilution: 1**															
4-AMINO-2,6-DINITROTOLUENE	0.10		ug/L	U	YES	UJ	UJ													
4-NITROTOLUENE	0.10		ug/L	U	YES	UJ	UJ													
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.051		ug/L	U	YES	UJ	UJ													
Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	0.10		ug/L	U	YES	UJ	UJ													
NITROBENZENE	0.10		ug/L	U	YES	UJ	UJ													
Nitroglycerin	0.51		ug/L	U	YES	UJ	UJ													
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	0.051		ug/L	U	YES	UJ	UJ													
PETN	0.51		ug/L	U	YES	UJ	UJ													
Analysis Method : 8330M					**Dilution: 1**															
Nitroguanidine	6.0		ug/L	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES/TOT
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 1**															
Aluminum	60		ug/L	U	YES															
Antimony	0.45		ug/L	J	YES	J								J						
Arsenic	1.2		ug/L	J	YES	J								J						
Barium	13		ug/L		YES															
Calcium	26000		ug/L		YES															
Chromium	1.5		ug/L	U	YES															
Copper	4.0		ug/L	U	YES															
Iron	170		ug/L		YES															
Lead	0.50		ug/L	U	YES															
Magnesium	5000		ug/L		YES															
Manganese	34		ug/L		YES															
Nickel	1.5		ug/L	U	YES															
Potassium	1500		ug/L		YES															
SELENIUM	0.32		ug/L	J	YES	J								J						
Silver	0.25		ug/L	U	YES															
Thallium	0.35		ug/L	J	YES	J								J						
Vanadium	1.5		ug/L	U	YES															
Zinc	20		ug/L	U	YES															
Analysis Method : 7470A					**Dilution: 1**															
Mercury	0.20		ug/L	U	YES															
Analysis Method : WS-WC-0050					**Dilution: 1**															
Nitrocellulose	1.0		mg/L	U	YES															

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : PBA08-QC-6244-TB
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-1

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					**Dilution: 1**															
1,1,1-TRICHLOROETHANE	0.25		ug/L	U	YES	UJ	UJ													
1,1,2,2-TETRACHLOROETHANE	0.25		ug/L	U	YES	UJ	UJ													
1,1,2-TRICHLOROETHANE	0.50		ug/L	U	YES	UJ	UJ													
1,1-DICHLOROETHANE	0.25		ug/L	U	YES	UJ	UJ													
1,1-DICHLOROETHENE	0.25		ug/L	U	YES	UJ	UJ													
1,2-Dibromoethane (Ethylene Dibromide)	0.25		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROETHANE	0.25		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROETHENE (TOTAL)	0.50		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROPROPANE	0.25		ug/L	U	YES	UJ	UJ													
2-Butanone (MEK)	0.57		ug/L	U	YES	UJ	UJ													
2-HEXANONE	0.50		ug/L	U	YES	UJ	UJ													
4-Methyl-2-pentanone (MIBK)	0.50		ug/L	U	YES	UJ	UJ													
ACETONE	1.9		ug/L	J	YES	J	J							J						
BENZENE	0.25		ug/L	U	YES	UJ	UJ													
BROMOCHLOROMETHANE	0.50		ug/L	U	YES	UJ	UJ													
BROMODICHLOROMETHANE	0.25		ug/L	U	YES	UJ	UJ													
BROMOFORM	0.64		ug/L	U	YES	UJ	UJ													
Bromomethane (Methyl bromide)	0.50		ug/L	U	YES	UJ	UJ													
CARBON DISULFIDE	0.25		ug/L	U	YES	UJ	UJ													
CARBON TETRACHLORIDE	0.25		ug/L	U	YES	UJ	UJ													
CHLOROBENZENE	0.25		ug/L	U	YES	UJ	UJ													
Chlorodibromomethane	0.25		ug/L	U	YES	UJ	UJ													
CHLOROETHANE	0.50		ug/L	U	YES	UJ	UJ													
CHLOROFORM	0.25		ug/L	U	YES	UJ	UJ													
CHLOROMETHANE	0.50		ug/L	U	YES	UJ	UJ													
CIS-1,3-DICHLOROPROPENE	0.25		ug/L	U	YES	UJ	UJ													
ETHYLBENZENE	0.25		ug/L	U	YES	UJ	UJ													
METHYLENE CHLORIDE	0.47		ug/L	J	YES	J	J							J						

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : PBA08-QC-6244-TB
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-1

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B						**Dilution: 1**														
STYRENE	0.25		ug/L	U	YES	UJ	UJ													
TETRACHLOROETHENE	0.50		ug/L	U	YES	UJ	UJ													
TOLUENE	0.25		ug/L	U	YES	UJ	UJ													
TRANS-1,3-DICHLOROPROPENE	0.25		ug/L	U	YES	UJ	UJ													
TRICHLOROETHENE	0.25		ug/L	U	YES	UJ	UJ													
VINYL CHLORIDE	0.25		ug/L	U	YES	UJ	UJ													
Xylene (Total)	0.75		ug/L	U	YES	UJ	UJ													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Temperature Outlier Report

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	
LL11SD-096-5874-SD	240-14026-5	8081A	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8081A	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8081A	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8081A	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
LL11SD-096-5874-SD	240-14026-5	8082	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8082	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8082	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8082	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
LL11SD-096-5874-SD	240-14026-5	8260B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8260B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8260B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8260B	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
PBA08-QC-6244-TB	240-14026-1	8260B	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
LL11SD-096-5874-SD	240-14026-5	8270C	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8270C	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8270C	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8270C	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
LL11SD-096-5874-SD	240-14026-5	8330B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8330B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8330B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8330B	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
LL11SD-096-5874-SD	240-14026-5	8330M	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8330M	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8330M	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8330M	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R

QC Outlier Report: Holding Times

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

					Actual Holding Time			Criteria				Reported Dates (and Times)		
Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Prep Method	Coll To Prep	Prep To Ana	Coll To Ana	Coll To Prep	Prep To Ana	Coll To Ana	Unit of Meas	Collection Date	Preparation Date	Analysis Date
LL6SW-096-5871-SW	240-14026-2	8270C	AQ	3520C	13.0	15.0		7	40		Days	08/09/2012	08/22/2012	09/06/2012

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 320-2943 **Analysis Method :** WS-WC-0050 **Analysis Date :** 08/23/2012

Preparation Batch : 320-2943 **Preparation Type :** METHOD **Preparation Date :** 08/23/2012

Lab Reporting Batch : 240-14026-1 **Lab ID:** TA SAC

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL5SD-086-5872-SDMS	240-14026-4MS	SO	Nitrocellulose	33		10.00	34.00	115.00	71.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
LL11SD-096-5874-SD	240-14026-5
LL5SD-086-5872-SD	240-14026-4
LL6SD-096-5870-SD	240-14026-3

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: ***172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI***

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL11SD-096-5874-SD	240-14026-5	8082	SO	AROCLOR 1016	U	34	2.31923602	ug/Kg
				AROCLOR 1221	U	34	2.31923602	ug/Kg
				AROCLOR 1232	U	34	2.31923602	ug/Kg
				AROCLOR 1242	U	34	2.31923602	ug/Kg
				AROCLOR 1248	U	34	2.31923602	ug/Kg
				AROCLOR 1254	U	34	2.31923602	ug/Kg
				AROCLOR 1260	U	34	2.31923602	ug/Kg
LL5SD-086-5872-SD	240-14026-4	8082	SO	AROCLOR 1016	U	33	2.27576975	ug/Kg
				AROCLOR 1221	U	33	2.27576975	ug/Kg
				AROCLOR 1232	U	33	2.27576975	ug/Kg
				AROCLOR 1242	U	33	2.27576975	ug/Kg
				AROCLOR 1248	U	33	2.27576975	ug/Kg
				AROCLOR 1254	U	33	2.27576975	ug/Kg
				AROCLOR 1260	U	33	2.27576975	ug/Kg
LL6SD-096-5870-SD	240-14026-3	8082	SO	AROCLOR 1016	U	37	2.55255255	ug/Kg
				AROCLOR 1221	U	37	2.55255255	ug/Kg
				AROCLOR 1232	U	37	2.55255255	ug/Kg
				AROCLOR 1242	U	37	2.55255255	ug/Kg
				AROCLOR 1248	U	37	2.55255255	ug/Kg
				AROCLOR 1254	U	37	2.55255255	ug/Kg
				AROCLOR 1260	U	37	2.55255255	ug/Kg
LL6SW-096-5871-SW	240-14026-2	6020	AQ	Zinc	U	20	10	ug/L
		8082		AROCLOR 1016	U	0.19	0.05	ug/L
				AROCLOR 1221	U	0.19	0.05	ug/L
				AROCLOR 1232	U	0.19	0.05	ug/L
				AROCLOR 1242	U	0.38	0.05	ug/L
				AROCLOR 1248	U	0.19	0.05	ug/L
				AROCLOR 1254	U	0.19	0.05	ug/L
				AROCLOR 1260	U	0.19	0.05	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL11SD-096-5874-SD	240-14026-5	6020	SO	Antimony	J	0.14	0.24	mg/Kg
				Silver	J	0.072	0.12	mg/Kg
				Sodium	J	35	120	mg/Kg
				Thallium	J	0.21	0.24	mg/Kg
		7471A		Mercury	J	0.10	0.12	mg/Kg
		8270C		BENZYL ALCOHOL	J	54	450	ug/Kg
		WS-WC-0050		Nitrocellulose	J	1.4	6.7	mg/Kg
LL5SD-086-5872-SD	240-14026-4	6020		Antimony	J	0.074	0.23	mg/Kg
				Cadmium	J	0.22	0.23	mg/Kg
				Silver	J	0.094	0.11	mg/Kg
				Sodium	J	25	110	mg/Kg
				Thallium	J	0.20	0.23	mg/Kg
		7471A		Mercury	J	0.053	0.13	mg/Kg
		WS-WC-0050		Nitrocellulose	J	2.1	6.6	mg/Kg
LL6SD-096-5870-SD	240-14026-3	6020		Cadmium	J	0.075	0.25	mg/Kg
				Silver	J	0.037	0.12	mg/Kg
				Sodium	J	24	120	mg/Kg
				Thallium	J	0.15	0.25	mg/Kg
		8260B		2-Butanone (MEK)	J	5.3	30	ug/Kg
				METHYLENE CHLORIDE	J	2.3	7.5	ug/Kg
		8270C		FLUORANTHENE	J	9.8	9.9	ug/Kg
LL6SW-096-5871-SW	240-14026-2	6020	AQ	Antimony	J	0.45	2.0	ug/L
				Arsenic	J	1.2	5.0	ug/L
				Beryllium	J	0.27	1.0	ug/L
				Cadmium	J	0.17	2.0	ug/L
				Cobalt	J	0.35	1.0	ug/L
				SELENIUM	J	0.32	5.0	ug/L
				Sodium	J	520	1000	ug/L
				Thallium	J	0.35	2.0	ug/L
		8260B		2-Butanone (MEK)	J	0.72	10	ug/L
		8270C		BIS(2-ETHYLHEXYL) PHTHALATE	J H	0.90	1.9	ug/L
PBA08-QC-6244-TB	240-14026-1	8260B		ACETONE	J	1.9	10	ug/L
				METHYLENE CHLORIDE	J	0.47	1.0	ug/L

Surrogate Recovery Outlier Report

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
LL11SD-096-5874-SD	240-14026-5	8260B	1	SO	4-Bromofluorobenzene	79	85.0	120.0	10.0	All Target
LL5SD-086-5872-SD	240-14026-4	8260B	1	SO	4-Bromofluorobenzene	81	85.0	120.0	10.0	All Target
LL6SD-096-5870-SD	240-14026-3	8260B	1	SO	4-Bromofluorobenzene	83	85.0	120.0	10.0	All Target

Sample Qualification Report (All Analytes)

Marked all changes NS

Client Sample ID : LL11SD-096-5874-SD
Sample Date : 08/09/2012
Lab Sample ID: 240-14026-5

Lab Report Batch : 240-14026-1
Analysis Type: RE2/TOT

Lab ID : TA CAN
Sample Matrix : SO

Reviewed By / Date : .....

Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 10**															
MANGANESE	270		mg/Kg	D	YES															

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RE2/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B						**Dilution: 1**														
1,3,5-TRINITROBENZENE	0.25		mg/Kg	U	YES	UJ	UJ													
3-NITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	0.25		mg/Kg	U	YES	UJ	UJ													

JV 11/16/2012 JV 11/16/2012

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081A					**Dilution: 10**															
4,4'-DDD	28		ug/Kg	U	YES	UJ	UJ													
4,4'-DDE	24		ug/Kg	U	YES	UJ	UJ													
4,4'-DDT	28		ug/Kg	U	YES	UJ	UJ													
ALDRIN	55		ug/Kg	U	YES	UJ	UJ													
ALPHA-BHC	35		ug/Kg	U	YES	UJ	UJ													
alpha-Chordane	41		ug/Kg	U	YES	UJ	UJ													
BETA-BHC	48		ug/Kg	U	YES	UJ	UJ													
DELTA-BHC	55		ug/Kg	U	YES	UJ	UJ													
DIELDRIN	24		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN I	24		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN II	35		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN SULFATE	41		ug/Kg	U	YES	UJ	UJ													
ENDRIN	24		ug/Kg	U	YES	UJ	UJ													
ENDRIN ALDEHYDE	41		ug/Kg	U	YES	UJ	UJ													
ENDRIN KETONE	28		ug/Kg	U	YES	UJ	UJ													
gamma-BHC (Lindane)	35		ug/Kg	U	YES	UJ	UJ													
GAMMA-CHLORDANE	24		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR	48		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR EPOXIDE	35		ug/Kg	U	YES	UJ	UJ													
METHOXYCHLOR	69		ug/Kg	U	YES	UJ	UJ													
TOXAPHENE	930		ug/Kg	U	YES	UJ	UJ													
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1016	90		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1221	69		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1232	62		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1242	55		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1248	76		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1254	76		ug/Kg	U	YES	UJ	UJ													

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Sample Date : 08/09/2012
Lab Sample ID: 240-14026-5

Lab Report Batch : 240-14026-1
Analysis Type: RES

Lab ID : TA CAN
Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1260	76		ug/Kg	U	YES	~~U~~ UJ	UJ													
Analysis Method : 8260B					**Dilution: 1**															
1,1,1-TRICHLOROETHANE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2,2-TETRACHLOROETHANE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2-TRICHLOROETHANE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHANE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHENE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-Dibromoethane (Ethylene Dibromide)	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHANE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHENE (TOTAL)	14		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROPROPANE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
2-Butanone (MEK)	27		ug/Kg	U	YES	UJ	UJ						UJ							
2-HEXANONE	27		ug/Kg	U	YES	UJ	UJ						UJ							
4-Methyl-2-pentanone (MIBK)	27		ug/Kg	U	YES	UJ	UJ						UJ							
ACETONE	27		ug/Kg	U	YES	UJ	UJ						UJ							
BENZENE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOCHLOROMETHANE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
BROMODICHLOROMETHANE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOFORM	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
Bromomethane (Methyl bromide)	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON DISULFIDE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON TETRACHLORIDE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROBENZENE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
Chlorodibromomethane	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROETHANE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROFORM	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROMETHANE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
CIS-1,3-DICHLOROPROPENE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					**Dilution: 1**															
ETHYLBENZENE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
METHYLENE CHLORIDE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
STYRENE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
TETRACHLOROETHENE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
TOLUENE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
TRANS-1,3-DICHLOROPROPENE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
TRICHLOROETHENE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
VINYL CHLORIDE	6.8		ug/Kg	U	YES	UJ	UJ						UJ							
Xylene (Total)	14		ug/Kg	U	YES	UJ	UJ						UJ							
Analysis Method : 8270C					**Dilution: 1**															
1,2,4-TRICHLOROBENZENE	68		ug/Kg	U	YES	UJ	UJ													
1,2-DICHLOROBENZENE	68		ug/Kg	U	YES	UJ	UJ													
1,3-DICHLOROBENZENE	68		ug/Kg	U	YES	UJ	UJ													
1,4-DICHLOROBENZENE	68		ug/Kg	U	YES	UJ	UJ													
2,4,5-TRICHLOROPHENOL	200		ug/Kg	U	YES	UJ	UJ													
2,4,6-TRICHLOROPHENOL	200		ug/Kg	U	YES	UJ	UJ													
2,4-DICHLOROPHENOL	200		ug/Kg	U	YES	UJ	UJ													
2,4-DIMETHYLPHENOL	200		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROPHENOL	450		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	270		ug/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	270		ug/Kg	U	YES	UJ	UJ													
2-CHLORONAPHTHALENE	68		ug/Kg	U	YES	UJ	UJ													
2-CHLOROPHENOL	68		ug/Kg	U	YES	UJ	UJ													
2-METHYLNAPHTHALENE	9.1		ug/Kg	U	YES	UJ	UJ													
2-METHYLPHENOL	270		ug/Kg	U	YES	UJ	UJ													
2-NITROANILINE	270		ug/Kg	U	YES	UJ	UJ													
2-NITROPHENOL	68		ug/Kg	U	YES	UJ	UJ													
3 & 4-Methylphenol	550		ug/Kg	U	YES	UJ	UJ													

W 11/16/2012 W 11/16/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI **Library Used:** RVAAP_PB08

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Sample Date : 08/09/2012
Lab Sample ID: 240-14026-5

Lab Report Batch : 240-14026-1
Analysis Type: RES

Lab ID : TA CAN
Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
3,3'-DICHLOROBENZIDINE	140		ug/Kg	U	YES	UJ	UJ													
3-NITROANILINE	270		ug/Kg	U	YES	UJ	UJ													
4,6-DINITRO-2-METHYLPHENOL	200		ug/Kg	U	YES	UJ	UJ													
4-BROMOPHENYL PHENYL ETHER	68		ug/Kg	U	YES	UJ	UJ													
4-CHLORO-3-METHYLPHENOL	200		ug/Kg	U	YES	UJ	UJ													
4-CHLOROANILINE	200		ug/Kg	U	YES	UJ	UJ													
4-CHLOROPHENYL PHENYL ETHER	68		ug/Kg	U	YES	UJ	UJ													
4-NITROANILINE	270		ug/Kg	U	YES	UJ	UJ													
4-NITROPHENOL	450		ug/Kg	U	YES	UJ	UJ													
ACENAPHTHENE	13		ug/Kg		YES	J	J													
ACENAPHTHYLENE	9.1		ug/Kg	U	YES	UJ	UJ													
ANTHRACENE	20		ug/Kg		YES	J	J													
Benz[a]anthracene	77		ug/Kg		YES	J	J													
Benzo[a]pyrene	90		ug/Kg		YES	J	J													
Benzo[b]fluoranthene	140		ug/Kg		YES	J	J													
Benzo[g,h,i]perylene	68		ug/Kg		YES	J	J													
Benzo[k]fluoranthene	66		ug/Kg	M	YES	J	J													
BENZOIC ACID	900		ug/Kg	U	YES	UJ	UJ													
BENZYL ALCOHOL	54		ug/Kg	J	YES	J	J							J						
BIS(2-CHLOROETHOXY)METHANE	140		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROETHYL) ETHER	140		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROISOPROPYL) ETHER	140		ug/Kg	U	YES	UJ	UJ													
BIS(2-ETHYLHEXYL) PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
BUTYL BENZYL PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
CARBAZOLE	68		ug/Kg	U	YES	UJ	UJ													
CHRYSENE	99		ug/Kg		YES	J	J													
Dibenz[a,h]anthracene	16		ug/Kg		YES	J	J													
DIBENZOFURAN	68		ug/Kg	U	YES	UJ	UJ													

JV 11/16/2012 JV 11/16/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI **Library Used:** RVAAP_PB08

ADR 8.3

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
DIETHYL PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
DIMETHYL PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
DI-N-BUTYL PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
DI-N-OCTYL PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
FLUORANTHENE	210		ug/Kg		YES	J	J													
FLUORENE	9.1		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROBENZENE	9.1		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROBUTADIENE	68		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROCYCLOPENTADIENE	450		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROETHANE	68		ug/Kg	U	YES	UJ	UJ													
Indeno[1,2,3-cd]pyrene	61		ug/Kg		YES	J	J													
ISOPHORONE	68		ug/Kg	U	YES	UJ	UJ													
NAPHTHALENE	9.1		ug/Kg	U	YES	UJ	UJ													
NITROBENZENE	140		ug/Kg	U	YES	UJ	UJ													
N-NITROSODI-N-PROPYLAMINE	68		ug/Kg	U	YES	UJ	UJ													
N-NITROSODIPHENYLAMINE	68		ug/Kg	U	YES	UJ	UJ													
PENTACHLOROPHENOL	200		ug/Kg	U	YES	UJ	UJ													
PHENANTHRENE	98		ug/Kg		YES	J	J													
PHENOL	68		ug/Kg	U	YES	UJ	UJ													
PYRENE	160		ug/Kg		YES	J	J													

JW 11/16/2012 JW 11/16/2012

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES/TOT
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 1**															
ALUMINUM	15000		mg/Kg		YES															
ANTIMONY	0.14		mg/Kg	J	YES	J								J						
ARSENIC	10		mg/Kg		YES															
BARIUM	84		mg/Kg		YES															
BERYLLIUM	0.91		mg/Kg		YES															
CADMIUM	0.51		mg/Kg		YES															
CALCIUM	3800		mg/Kg		YES															
CHROMIUM	17		mg/Kg		YES															
COBALT	9.4		mg/Kg		YES															
COPPER	18		mg/Kg		YES															
IRON	23000		mg/Kg		YES															
LEAD	27		mg/Kg		YES															
MAGNESIUM	2700		mg/Kg		YES															
NICKEL	21		mg/Kg		YES															
POTASSIUM	1100		mg/Kg		YES															
SELENIUM	1.7		mg/Kg		YES															
SILVER	0.072		mg/Kg	J	YES	J								J						
SODIUM	35		mg/Kg	J	YES	J								J						
THALLIUM	0.21		mg/Kg	J	YES	J								J						
VANADIUM	25		mg/Kg		YES															
ZINC	120		mg/Kg		YES															
Analysis Method : 7471A					**Dilution: 1**															
MERCURY	0.10		mg/Kg	J	YES	J								J						
Analysis Method : WS-WC-0050					**Dilution: 1**															
Nitrocellulose	1.4		mg/Kg	J	YES	J					J			J						

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL11SD-096-5874-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RES/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-5

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B					**Dilution: 1**															
1,3-DINITROBENZENE	0.25		mg/Kg	U	YES	UJ	UJ													
2,4,6-Trinitrotoluene (TNT)	0.25		mg/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
2-AMINO-4,6-DINITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
2-NITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
4-AMINO-2,6-DINITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
4-NITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.25		mg/Kg	U	YES	UJ	UJ													
Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	0.25		mg/Kg	U	YES	UJ	UJ													
NITROBENZENE	0.25		mg/Kg	U	YES	UJ	UJ													
Nitroglycerin	0.50		mg/Kg	U	YES	UJ	UJ													
PETN	0.50		mg/Kg	U	YES	UJ	UJ													
Analysis Method : 8330M					**Dilution: 1**															
Nitroguanidine	0.25		mg/Kg	U	YES	UJ	UJ													

JW 11/16/2012 JW 11/16/2012

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RE2/TOT
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 10**															
MANGANESE	690		mg/Kg	D	YES															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RE2/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B					**Dilution: 1**															
1,3,5-TRINITROBENZENE	0.25		mg/Kg	U	YES	UJ	UJ													
1,3-DINITROBENZENE	0.25		mg/Kg	U	YES	UJ	UJ													

JW 11/14/2012 JW 11/14/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI
Library Used: RVAAP_PB08

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081A					**Dilution: 5**															
4,4'-DDD	13		ug/Kg	U	YES	UJ	UJ													
4,4'-DDE	11		ug/Kg	U	YES	UJ	UJ													
4,4'-DDT	13		ug/Kg	U	YES	UJ	UJ													
ALDRIN	26		ug/Kg	U	YES	UJ	UJ													
ALPHA-BHC	16		ug/Kg	U	YES	UJ	UJ													
alpha-Chordane	20		ug/Kg	U	YES	UJ	UJ													
BETA-BHC	23		ug/Kg	U	YES	UJ	UJ													
DELTA-BHC	26		ug/Kg	U	YES	UJ	UJ													
DIELDRIN	11		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN I	11		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN II	16		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN SULFATE	20		ug/Kg	U	YES	UJ	UJ													
ENDRIN	11		ug/Kg	U	YES	UJ	UJ													
ENDRIN ALDEHYDE	20		ug/Kg	U	YES	UJ	UJ													
ENDRIN KETONE	13		ug/Kg	U	YES	UJ	UJ													
gamma-BHC (Lindane)	16		ug/Kg	U	YES	UJ	UJ													
GAMMA-CHLORDANE	11		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR	23		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR EPOXIDE	16		ug/Kg	U	YES	UJ	UJ													
METHOXYCHLOR	33		ug/Kg	U	YES	UJ	UJ													
TOXAPHENE	440		ug/Kg	U	YES	UJ	UJ													
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1016	86		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1221	66		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1232	59		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1242	53		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1248	72		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1254	72		ug/Kg	U	YES	UJ	UJ													

JW 11/6/2012 JW 11/6/2012

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1260	72		ug/Kg	U	YES	UJ	UJ													
Analysis Method : 8260B					**Dilution: 1**															
1,1,1-TRICHLOROETHANE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2,2-TETRACHLOROETHANE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2-TRICHLOROETHANE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHANE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHENE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-Dibromoethane (Ethylene Dibromide)	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHANE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHENE (TOTAL)	13		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROPROPANE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
2-Butanone (MEK)	27		ug/Kg	U	YES	UJ	UJ						UJ							
2-HEXANONE	27		ug/Kg	U	YES	UJ	UJ						UJ							
4-Methyl-2-pentanone (MIBK)	27		ug/Kg	U	YES	UJ	UJ						UJ							
ACETONE	27		ug/Kg	U	YES	UJ	UJ						UJ							
BENZENE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOCHLOROMETHANE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
BROMODICHLOROMETHANE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOFORM	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
Bromomethane (Methyl bromide)	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON DISULFIDE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON TETRACHLORIDE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROBENZENE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
Chlorodibromomethane	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROETHANE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROFORM	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROMETHANE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
CIS-1,3-DICHLOROPROPENE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							

W 11/16/2012 W 11/16/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI **Library Used:** RVAAP_PB08

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					**Dilution: 1**															
ETHYLBENZENE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
METHYLENE CHLORIDE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
STYRENE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
TETRACHLOROETHENE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
TOLUENE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
TRANS-1,3-DICHLOROPROPENE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
TRICHLOROETHENE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
VINYL CHLORIDE	6.7		ug/Kg	U	YES	UJ	UJ						UJ							
Xylene (Total)	13		ug/Kg	U	YES	UJ	UJ						UJ							
Analysis Method : 8270C					**Dilution: 1**															
1,2,4-TRICHLOROBENZENE	68		ug/Kg	U	YES	UJ	UJ													
1,2-DICHLOROBENZENE	68		ug/Kg	U	YES	UJ	UJ													
1,3-DICHLOROBENZENE	68		ug/Kg	U	YES	UJ	UJ													
1,4-DICHLOROBENZENE	68		ug/Kg	U	YES	UJ	UJ													
2,4,5-TRICHLOROPHENOL	200		ug/Kg	U	YES	UJ	UJ													
2,4,6-TRICHLOROPHENOL	200		ug/Kg	U	YES	UJ	UJ													
2,4-DICHLOROPHENOL	200		ug/Kg	U	YES	UJ	UJ													
2,4-DIMETHYLPHENOL	200		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROPHENOL	450		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	270		ug/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	270		ug/Kg	U	YES	UJ	UJ													
2-CHLORONAPHTHALENE	68		ug/Kg	U	YES	UJ	UJ													
2-CHLOROPHENOL	68		ug/Kg	U	YES	UJ	UJ													
2-METHYLNAPHTHALENE	9.0		ug/Kg	U	YES	UJ	UJ													
2-METHYLPHENOL	270		ug/Kg	U	YES	UJ	UJ													
2-NITROANILINE	270		ug/Kg	U	YES	UJ	UJ													
2-NITROPHENOL	68		ug/Kg	U	YES	UJ	UJ													
3 & 4-Methylphenol	540		ug/Kg	U	YES	UJ	UJ													

JW 11/16/2012 JW 11/16/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI **Library Used:** RVAAP_PB08

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
3,3'-DICHLOROBENZIDINE	140		ug/Kg	U	YES	UJ	UJ													
3-NITROANILINE	270		ug/Kg	U	YES	UJ	UJ													
4,6-DINITRO-2-METHYLPHENOL	200		ug/Kg	U	YES	UJ	UJ													
4-BROMOPHENYL PHENYL ETHER	68		ug/Kg	U	YES	UJ	UJ													
4-CHLORO-3-METHYLPHENOL	200		ug/Kg	U	YES	UJ	UJ													
4-CHLOROANILINE	200		ug/Kg	U	YES	UJ	UJ													
4-CHLOROPHENYL PHENYL ETHER	68		ug/Kg	U	YES	UJ	UJ													
4-NITROANILINE	270		ug/Kg	U	YES	UJ	UJ													
4-NITROPHENOL	450		ug/Kg	U	YES	UJ	UJ													
ACENAPHTHENE	9.0		ug/Kg	U	YES	UJ	UJ													
ACENAPHTHYLENE	9.0		ug/Kg	U	YES	UJ	UJ													
ANTHRACENE	9.0		ug/Kg	U	YES	UJ	UJ													
Benz[a]anthracene	9.0		ug/Kg	U	YES	UJ	UJ													
Benzo[a]pyrene	9.0		ug/Kg	U	YES	UJ	UJ													
Benzo[b]fluoranthene	9.0		ug/Kg	U	YES	UJ	UJ													
Benzo[g,h,i]perylene	9.0		ug/Kg	U	YES	UJ	UJ													
Benzo[k]fluoranthene	9.0		ug/Kg	U	YES	UJ	UJ													
BENZOIC ACID	900		ug/Kg	U	YES	UJ	UJ													
BENZYL ALCOHOL	450		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROETHOXY)METHANE	140		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROETHYL) ETHER	140		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROISOPROPYL) ETHER	140		ug/Kg	U	YES	UJ	UJ													
BIS(2-ETHYLHEXYL) PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
BUTYL BENZYL PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
CARBAZOLE	68		ug/Kg	U	YES	UJ	UJ													
CHRYSENE	9.0		ug/Kg	U	YES	UJ	UJ													
Dibenz[a,h]anthracene	9.0		ug/Kg	U	YES	UJ	UJ													
DIBENZOFURAN	68		ug/Kg	U	YES	UJ	UJ													

JV 11/14/2012 JV 11/14/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI **Library Used:** RVAAP_PB08

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :
Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
DIETHYL PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
DIMETHYL PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
DI-N-BUTYL PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
DI-N-OCTYL PHTHALATE	68		ug/Kg	U	YES	UJ	UJ													
FLUORANTHENE	19		ug/Kg		YES	J	J													
FLUORENE	9.0		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROBENZENE	39		ug/Kg		YES	J	J													
HEXACHLOROBUTADIENE	68		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROCYCLOPENTADIENE	450		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROETHANE	68		ug/Kg	U	YES	UJ	UJ													
Indeno[1,2,3-cd]pyrene	9.0		ug/Kg	U	YES	UJ	UJ													
ISOPHORONE	68		ug/Kg	U	YES	UJ	UJ													
NAPHTHALENE	9.0		ug/Kg	U	YES	UJ	UJ													
NITROBENZENE	140		ug/Kg	U	YES	UJ	UJ													
N-NITROSODI-N-PROPYLAMINE	68		ug/Kg	U	YES	UJ	UJ													
N-NITROSODIPHENYLAMINE	68		ug/Kg	U	YES	UJ	UJ													
PENTACHLOROPHENOL	200		ug/Kg	U	YES	UJ	UJ													
PHENANTHRENE	9.7		ug/Kg		YES	J	J													
PHENOL	68		ug/Kg	U	YES	UJ	UJ													
PYRENE	14		ug/Kg		YES	J	J													

JW 11/14/2012 JW 11/16/2012

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Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Sample Date : 08/09/2012
Lab Sample ID: 240-14026-4

Lab Report Batch : 240-14026-1
Analysis Type: RES/TOT

Lab ID : TA CAN
Sample Matrix : SO

Reviewed By / Date : .....

Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 1**															
ALUMINUM	13000		mg/Kg		YES															
ANTIMONY	0.074		mg/Kg	J	YES	J								J						
ARSENIC	5.3		mg/Kg		YES															
BARIUM	85		mg/Kg		YES															
BERYLLIUM	0.71		mg/Kg		YES															
CADMIUM	0.22		mg/Kg	J	YES	J								J						
CALCIUM	1300		mg/Kg		YES															
CHROMIUM	11		mg/Kg		YES															
COBALT	7.9		mg/Kg		YES															
COPPER	7.4		mg/Kg		YES															
IRON	15000		mg/Kg		YES															
LEAD	15		mg/Kg		YES															
MAGNESIUM	1500		mg/Kg		YES															
NICKEL	10		mg/Kg		YES															
POTASSIUM	670		mg/Kg		YES															
SELENIUM	1.1		mg/Kg		YES															
SILVER	0.094		mg/Kg	J	YES	J								J						
SODIUM	25		mg/Kg	J	YES	J								J						
THALLIUM	0.20		mg/Kg	J	YES	J								J						
VANADIUM	17		mg/Kg		YES															
ZINC	50		mg/Kg		YES															
Analysis Method : 7471A					**Dilution: 1**															
MERCURY	0.053		mg/Kg	J	YES	J								J						
Analysis Method : WS-WC-0050					**Dilution: 1**															
Nitrocellulose	2.1		mg/Kg	J	YES	J					J			J						

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL5SD-086-5872-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RES/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-4

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B					**Dilution: 1**															
2,4,6-Trinitrotoluene (TNT)	0.25		mg/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
2-AMINO-4,6-DINITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
2-NITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
3-NITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
4-AMINO-2,6-DINITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
4-NITROTOLUENE	0.25		mg/Kg	U	YES	UJ	UJ													
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.25		mg/Kg	U	YES	UJ	UJ													
Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	0.25		mg/Kg	U	YES	UJ	UJ													
NITROBENZENE	0.25		mg/Kg	U	YES	UJ	UJ													
Nitroglycerin	0.50		mg/Kg	U	YES	UJ	UJ													
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	0.25		mg/Kg	U	YES	UJ	UJ													
PETN	0.50		mg/Kg	U	YES	UJ	UJ													
Analysis Method : 8330M					**Dilution: 1**															
Nitroguanidine	0.25		mg/Kg	U	YES	UJ	UJ													

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Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Sample Date : 08/09/2012
Lab Sample ID: 240-14026-3

Lab Report Batch : 240-14026-1
Analysis Type: RE2/WET

Lab ID : TA SAC
Sample Matrix : SO

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B					**Dilution: 1**															
1,3,5-TRINITROBENZENE	0.24		mg/Kg	U	YES	~~UJ~~ U	UJ													

11/14/2012 JV 11/16/2012

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Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081A					**Dilution: 5**															
4,4'-DDD	15		ug/Kg	U	YES	UJ	UJ													
4,4'-DDE	13		ug/Kg	U	YES	UJ	UJ													
4,4'-DDT	15		ug/Kg	U	YES	UJ	UJ													
ALDRIN	30		ug/Kg	U	YES	UJ	UJ													
ALPHA-BHC	19		ug/Kg	U	YES	UJ	UJ													
alpha-Chordane	22		ug/Kg	U	YES	UJ	UJ													
BETA-BHC	26		ug/Kg	U	YES	UJ	UJ													
DELTA-BHC	30		ug/Kg	U	YES	UJ	UJ													
DIELDRIN	13		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN I	13		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN II	19		ug/Kg	U	YES	UJ	UJ													
ENDOSULFAN SULFATE	22		ug/Kg	U	YES	UJ	UJ													
ENDRIN	13		ug/Kg	U	YES	UJ	UJ													
ENDRIN ALDEHYDE	22		ug/Kg	U	YES	UJ	UJ													
ENDRIN KETONE	15		ug/Kg	U	YES	UJ	UJ													
gamma-BHC (Lindane)	19		ug/Kg	U	YES	UJ	UJ													
GAMMA-CHLORDANE	13		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR	26		ug/Kg	U	YES	UJ	UJ													
HEPTACHLOR EPOXIDE	19		ug/Kg	U	YES	UJ	UJ													
METHOXYCHLOR	37		ug/Kg	U	YES	UJ	UJ													
TOXAPHENE	500		ug/Kg	U	YES	UJ	UJ													
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1016	97		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1221	75		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1232	67		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1242	60		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1248	82		ug/Kg	U	YES	UJ	UJ													
AROCLOR 1254	82		ug/Kg	U	YES	UJ	UJ													

11/16/2012

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1260	82		ug/Kg	U	YES	UJ	UJ													
Analysis Method : 8260B					**Dilution: 1**															
1,1,1-TRICHLOROETHANE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2,2-TETRACHLOROETHANE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,1,2-TRICHLOROETHANE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHANE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,1-DICHLOROETHENE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-Dibromoethane (Ethylene Dibromide)	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHANE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROETHENE (TOTAL)	15		ug/Kg	U	YES	UJ	UJ						UJ							
1,2-DICHLOROPROPANE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
2-Butanone (MEK)	5.3		ug/Kg	J	YES	J	J						J	J						
2-HEXANONE	30		ug/Kg	U	YES	UJ	UJ						UJ							
4-Methyl-2-pentanone (MIBK)	30		ug/Kg	U	YES	UJ	UJ						UJ							
ACETONE	41		ug/Kg		YES	UJ	J		U				J							
BENZENE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOCHLOROMETHANE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
BROMODICHLOROMETHANE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
BROMOFORM	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
Bromomethane (Methyl bromide)	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON DISULFIDE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
CARBON TETRACHLORIDE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROBENZENE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
Chlorodibromomethane	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROETHANE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROFORM	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
CHLOROMETHANE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
CIS-1,3-DICHLOROPROPENE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							

JV 11/16/2012 JV 11/16/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI **Library Used:** RVAAP_PB08

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date :
Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					**Dilution: 1**															
ETHYLBENZENE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
METHYLENE CHLORIDE	2.3		ug/Kg	J	YES	J	J						J	J						
STYRENE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
TETRACHLOROETHENE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
TOLUENE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
TRANS-1,3-DICHLOROPROPENE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
TRICHLOROETHENE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
VINYL CHLORIDE	7.5		ug/Kg	U	YES	UJ	UJ						UJ							
Xylene (Total)	15		ug/Kg	U	YES	UJ	UJ						UJ							
Analysis Method : 8270C					**Dilution: 1**															
1,2,4-TRICHLOROBENZENE	74		ug/Kg	U	YES	UJ	UJ													
1,2-DICHLOROBENZENE	74		ug/Kg	U	YES	UJ	UJ													
1,3-DICHLOROBENZENE	74		ug/Kg	U	YES	UJ	UJ													
1,4-DICHLOROBENZENE	74		ug/Kg	U	YES	UJ	UJ													
2,4,5-TRICHLOROPHENOL	220		ug/Kg	U	YES	UJ	UJ													
2,4,6-TRICHLOROPHENOL	220		ug/Kg	U	YES	UJ	UJ													
2,4-DICHLOROPHENOL	220		ug/Kg	U	YES	UJ	UJ													
2,4-DIMETHYLPHENOL	220		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROPHENOL	490		ug/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	300		ug/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	300		ug/Kg	U	YES	UJ	UJ													
2-CHLORONAPHTHALENE	74		ug/Kg	U	YES	UJ	UJ													
2-CHLOROPHENOL	74		ug/Kg	U	YES	UJ	UJ													
2-METHYLNAPHTHALENE	9.9		ug/Kg	U	YES	UJ	UJ													
2-METHYLPHENOL	300		ug/Kg	U	YES	UJ	UJ													
2-NITROANILINE	300		ug/Kg	U	YES	UJ	UJ													
2-NITROPHENOL	74		ug/Kg	U	YES	UJ	UJ													
3 & 4-Methylphenol	590		ug/Kg	U	YES	UJ	UJ													

JV 11/16/2012 JV 11/16/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI **Library Used:** RVAAP_PB08

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
3,3'-DICHLOROBENZIDINE	150		ug/Kg	U	YES	UJ	UJ													
3-NITROANILINE	300		ug/Kg	U	YES	UJ	UJ													
4,6-DINITRO-2-METHYLPHENOL	220		ug/Kg	U	YES	UJ	UJ													
4-BROMOPHENYL PHENYL ETHER	74		ug/Kg	U	YES	UJ	UJ													
4-CHLORO-3-METHYLPHENOL	220		ug/Kg	U	YES	UJ	UJ													
4-CHLOROANILINE	220		ug/Kg	U	YES	UJ	UJ													
4-CHLOROPHENYL PHENYL ETHER	74		ug/Kg	U	YES	UJ	UJ													
4-NITROANILINE	300		ug/Kg	U	YES	UJ	UJ													
4-NITROPHENOL	490		ug/Kg	U	YES	UJ	UJ													
ACENAPHTHENE	9.9		ug/Kg	U	YES	UJ	UJ													
ACENAPHTHYLENE	9.9		ug/Kg	U	YES	UJ	UJ													
ANTHRACENE	9.9		ug/Kg	U	YES	UJ	UJ													
Benz[a]anthracene	9.9		ug/Kg	U	YES	UJ	UJ													
Benzo[a]pyrene	9.9		ug/Kg	U	YES	UJ	UJ													
Benzo[b]fluoranthene	9.9		ug/Kg	U	YES	UJ	UJ													
Benzo[g,h,i]perylene	9.9		ug/Kg	U	YES	UJ	UJ													
Benzo[k]fluoranthene	9.9		ug/Kg	U	YES	UJ	UJ													
BENZOIC ACID	980		ug/Kg	U	YES	UJ	UJ													
BENZYL ALCOHOL	490		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROETHOXY)METHANE	150		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROETHYL) ETHER	150		ug/Kg	U	YES	UJ	UJ													
BIS(2-CHLOROISOPROPYL) ETHER	150		ug/Kg	U	YES	UJ	UJ													
BIS(2-ETHYLHEXYL) PHTHALATE	74		ug/Kg	U	YES	UJ	UJ													
BUTYL BENZYL PHTHALATE	74		ug/Kg	U	YES	UJ	UJ													
CARBAZOLE	74		ug/Kg	U	YES	UJ	UJ													
CHRYSENE	9.9		ug/Kg	U	YES	UJ	UJ													
Dibenz[a,h]anthracene	9.9		ug/Kg	U	YES	UJ	UJ													
DIBENZOFURAN	74		ug/Kg	U	YES	UJ	UJ													

UJ UJ 4/16/2013

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
DIETHYL PHTHALATE	74		ug/Kg	U	YES	UJ	UJ													
DIMETHYL PHTHALATE	74		ug/Kg	U	YES	UJ	UJ													
DI-N-BUTYL PHTHALATE	74		ug/Kg	U	YES	UJ	UJ													
DI-N-OCTYL PHTHALATE	74		ug/Kg	U	YES	UJ	UJ													
FLUORANTHENE	9.8		ug/Kg	J	YES	J	J							J						
FLUORENE	9.9		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROBENZENE	9.9		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROBUTADIENE	74		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROCYCLOPENTADIENE	490		ug/Kg	U	YES	UJ	UJ													
HEXACHLOROETHANE	74		ug/Kg	U	YES	UJ	UJ													
Indeno[1,2,3-cd]pyrene	9.9		ug/Kg	U	YES	UJ	UJ													
ISOPHORONE	74		ug/Kg	U	YES	UJ	UJ													
NAPHTHALENE	9.9		ug/Kg	U	YES	UJ	UJ													
NITROBENZENE	150		ug/Kg	U	YES	UJ	UJ													
N-NITROSODI-N-PROPYLAMINE	74		ug/Kg	U	YES	UJ	UJ													
N-NITROSODIPHENYLAMINE	74		ug/Kg	U	YES	UJ	UJ													
PENTACHLOROPHENOL	220		ug/Kg	U	YES	UJ	UJ													
PHENANTHRENE	9.9		ug/Kg	U	YES	UJ	UJ													
PHENOL	74		ug/Kg	U	YES	UJ	UJ													
PYRENE	9.9		ug/Kg	U	YES	UJ	UJ													

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Sample Date : 08/09/2012
Lab Sample ID: 240-14026-3

Lab Report Batch : 240-14026-1
Analysis Type: RES/TOT

Lab ID : TA CAN
Sample Matrix : SO

Reviewed By / Date : .....

Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 1**															
ALUMINUM	12000		mg/Kg		YES															
ANTIMONY	0.37		mg/Kg		YES															
ARSENIC	3.5		mg/Kg		YES															
BARIUM	53		mg/Kg		YES															
BERYLLIUM	0.51		mg/Kg		YES															
CADMIUM	0.075		mg/Kg	J	YES	J								J						
CALCIUM	1300		mg/Kg		YES															
CHROMIUM	15		mg/Kg		YES															
COBALT	5.9		mg/Kg		YES															
COPPER	25		mg/Kg		YES															
IRON	18000		mg/Kg		YES															
LEAD	27		mg/Kg		YES															
MAGNESIUM	2100		mg/Kg		YES															
MANGANESE	160		mg/Kg		YES															
NICKEL	13		mg/Kg		YES															
POTASSIUM	930		mg/Kg		YES															
SELENIUM	0.87		mg/Kg		YES															
SILVER	0.037		mg/Kg	J	YES	J								J						
SODIUM	24		mg/Kg	J	YES	J								J						
THALLIUM	0.15		mg/Kg	J	YES	J								J						
VANADIUM	27		mg/Kg		YES															
ZINC	37		mg/Kg		YES															
Analysis Method : 7471A					**Dilution: 1**															
MERCURY	0.14		mg/Kg	U	YES															
Analysis Method : WS-WC-0050					**Dilution: 1**															
Nitrocellulose	7.4		mg/Kg	U	YES	UJ					UJ									

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SD-096-5870-SD
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RES/WET
Sample Matrix : SO
Lab Sample ID: 240-14026-3

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B					**Dilution: 1**															
1,3-DINITROBENZENE	0.24		mg/Kg	U	YES	UJ	UJ													
2,4,6-Trinitrotoluene (TNT)	0.24		mg/Kg	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	0.24		mg/Kg	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	0.24		mg/Kg	U	YES	UJ	UJ													
2-AMINO-4,6-DINITROTOLUENE	0.24		mg/Kg	U	YES	UJ	UJ													
2-NITROTOLUENE	0.24		mg/Kg	U	YES	UJ	UJ													
3-NITROTOLUENE	0.24		mg/Kg	U	YES	UJ	UJ													
4-AMINO-2,6-DINITROTOLUENE	0.24		mg/Kg	U	YES	UJ	UJ													
4-NITROTOLUENE	0.24		mg/Kg	U	YES	UJ	UJ													
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.24		mg/Kg	U	YES	UJ	UJ													
Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	0.24		mg/Kg	U	YES	UJ	UJ													
NITROBENZENE	0.24		mg/Kg	U	YES	UJ	UJ													
Nitroglycerin	0.49		mg/Kg	U	YES	UJ	UJ													
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	0.24		mg/Kg	U	YES	UJ	UJ													
PETN	0.49		mg/Kg	U	YES	UJ	UJ													
Analysis Method : 8330M					**Dilution: 1**															
Nitroguanidine	0.25		mg/Kg	U	YES	UJ	UJ													

JW 11/16/2012 JW 11/16/2012

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RE2
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B						**Dilution: 1**														
1,3,5-TRINITROBENZENE	0.15		ug/L	U	YES	U UJ JV 11/14/2012	UJ JV 11/14/2012													

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Sample Date : 08/09/2012
Lab Sample ID: 240-14026-2

Lab Report Batch : 240-14026-1
Analysis Type: RE2/TOT

Lab ID : TA CAN
Sample Matrix : AQ

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020						**Dilution: 1** 11/16/2012														
BERYLLIUM	0.27		ug/L	J	YES	J			U					J						
CADMIUM	0.17		ug/L	J	YES	J			U					J						
COBALT	0.35		ug/L	J	YES	J			U					J						
SODIUM	520		ug/L	J	YES	J								J						

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8081A					**Dilution: 1**															
4,4'-DDD	0.048		ug/L	U	YES	UJ	UJ													
4,4'-DDE	0.048		ug/L	U	YES	UJ	UJ													
4,4'-DDT	0.048		ug/L	U	YES	UJ	UJ													
ALDRIN	0.048		ug/L	U	YES	UJ	UJ													
ALPHA-BHC	0.048		ug/L	U	YES	UJ	UJ													
alpha-Chordane	0.048		ug/L	U	YES	UJ	UJ													
BETA-BHC	0.048		ug/L	U	YES	UJ	UJ													
DELTA-BHC	0.048		ug/L	U	YES	UJ	UJ													
DIELDRIN	0.048		ug/L	U	YES	UJ	UJ													
ENDOSULFAN I	0.048		ug/L	U	YES	UJ	UJ													
ENDOSULFAN II	0.048		ug/L	U	YES	UJ	UJ													
ENDOSULFAN SULFATE	0.048		ug/L	U	YES	UJ	UJ													
ENDRIN	0.048		ug/L	U	YES	UJ	UJ													
ENDRIN ALDEHYDE	0.048		ug/L	U	YES	UJ	UJ													
ENDRIN KETONE	0.048		ug/L	U	YES	UJ	UJ													
gamma-BHC (Lindane)	0.048		ug/L	U	YES	UJ	UJ													
GAMMA-CHLORDANE	0.048		ug/L	U	YES	UJ	UJ													
HEPTACHLOR	0.048		ug/L	U	YES	UJ	UJ													
HEPTACHLOR EPOXIDE	0.048		ug/L	U	YES	UJ	UJ													
METHOXYCHLOR	0.096		ug/L	U	YES	UJ	UJ													
TOXAPHENE	1.9		ug/L	U	YES	UJ	UJ													
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1016	0.48		ug/L	U	YES	UJ	UJ													
AROCLOR 1221	0.48		ug/L	U	YES	UJ	UJ													
AROCLOR 1232	0.48		ug/L	U	YES	UJ	UJ													
AROCLOR 1242	0.48		ug/L	U	YES	UJ	UJ													
AROCLOR 1248	0.48		ug/L	U	YES	UJ	UJ													
AROCLOR 1254	0.48		ug/L	U	YES	UJ	UJ													

JV 11/16/2012 JV 11/16/2012

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8082					**Dilution: 1**															
AROCLOR 1260	0.48		ug/L	U	YES	UJ	UJ													
Analysis Method : 8260B					**Dilution: 1**															
1,1,1-TRICHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
1,1,2,2-TETRACHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
1,1,2-TRICHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
1,1-DICHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
1,1-DICHLOROETHENE	1.0		ug/L	U	YES	UJ	UJ													
1,2-Dibromoethane (Ethylene Dibromide)	1.0		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROETHENE (TOTAL)	2.0		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROPROPANE	1.0		ug/L	U	YES	UJ	UJ													
2-Butanone (MEK)	0.72		ug/L	J	YES	J	J							J						
2-HEXANONE	10		ug/L	U	YES	UJ	UJ													
4-Methyl-2-pentanone (MIBK)	10		ug/L	U	YES	UJ	UJ													
ACETONE	10		ug/L	U	YES	UJ	UJ													
BENZENE	1.0		ug/L	U	YES	UJ	UJ													
BROMOCHLOROMETHANE	1.0		ug/L	U	YES	UJ	UJ													
BROMODICHLOROMETHANE	1.0		ug/L	U	YES	UJ	UJ													
BROMOFORM	1.0		ug/L	U	YES	UJ	UJ													
Bromomethane (Methyl bromide)	1.0		ug/L	U	YES	UJ	UJ													
CARBON DISULFIDE	1.0		ug/L	U	YES	UJ	UJ													
CARBON TETRACHLORIDE	1.0		ug/L	U	YES	UJ	UJ													
CHLOROBENZENE	1.0		ug/L	U	YES	UJ	UJ													
Chlorodibromomethane	1.0		ug/L	U	YES	UJ	UJ													
CHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
CHLOROFORM	1.0		ug/L	U	YES	UJ	UJ													
CHLOROMETHANE	1.0		ug/L	U	YES	UJ	UJ													
CIS-1,3-DICHLOROPROPENE	1.0		ug/L	U	YES	UJ	UJ													

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI
Library Used: RVAAP_PB08

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					**Dilution: 1**	JV 11/16/2012														
ETHYLBENZENE	1.0		ug/L	U	YES	UJ	UJ													
METHYLENE CHLORIDE	1.0		ug/L	U	YES	UJ	UJ													
STYRENE	1.0		ug/L	U	YES	UJ	UJ													
TETRACHLOROETHENE	1.0		ug/L	U	YES	UJ	UJ													
TOLUENE	1.0		ug/L	U	YES	UJ	UJ													
TRANS-1,3-DICHLOROPROPENE	1.0		ug/L	U	YES	UJ	UJ													
TRICHLOROETHENE	1.0		ug/L	U	YES	UJ	UJ													
VINYL CHLORIDE	1.0		ug/L	U	YES	UJ	UJ													
Xylene (Total)	2.0		ug/L	U	YES	UJ	UJ													
Analysis Method : 8270C					**Dilution: 1**															
1,2,4-TRICHLOROBENZENE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
1,2-DICHLOROBENZENE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
1,3-DICHLOROBENZENE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
1,4-DICHLOROBENZENE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
2,4,5-TRICHLOROPHENOL	4.8		ug/L	U H	YES	UJ	UJ	UJ												
2,4,6-TRICHLOROPHENOL	4.8		ug/L	U H	YES	UJ	UJ	UJ												
2,4-DICHLOROPHENOL	1.9		ug/L	U H	YES	UJ	UJ	UJ												
2,4-DIMETHYLPHENOL	1.9		ug/L	U H	YES	UJ	UJ	UJ												
2,4-DINITROPHENOL	4.8		ug/L	U H	YES	UJ	UJ	UJ												
2,4-DINITROTOLUENE	4.8		ug/L	U H	YES	UJ	UJ	UJ												
2,6-DINITROTOLUENE	4.8		ug/L	U H	YES	UJ	UJ	UJ												
2-CHLORONAPHTHALENE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
2-CHLOROPHENOL	0.95		ug/L	U H	YES	UJ	UJ	UJ												
2-METHYLNAPHTHALENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
2-METHYLPHENOL	0.95		ug/L	U H	YES	UJ	UJ	UJ												
2-NITROANILINE	1.9		ug/L	U H	YES	UJ	UJ	UJ												
2-NITROPHENOL	1.9		ug/L	U H	YES	UJ	UJ	UJ												
3 & 4-Methylphenol	1.9		ug/L	U H	YES	UJ	UJ	UJ												

JV 11/16/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI **Library Used:** RVAAP_PB08

ADR 8.3

Report Date: 11/7/2012 17:10

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
3,3'-DICHLOROBENZIDINE	4.8		ug/L	U H	YES	UJ	UJ	UJ												UJ
3-NITROANILINE	1.9		ug/L	U H	YES	UJ	UJ	UJ												
4,6-DINITRO-2-METHYLPHENOL	4.8		ug/L	U H	YES	UJ	UJ	UJ												
4-BROMOPHENYL PHENYL ETHER	1.9		ug/L	U H	YES	UJ	UJ	UJ												
4-CHLORO-3-METHYLPHENOL	1.9		ug/L	U H	YES	UJ	UJ	UJ												
4-CHLOROANILINE	1.9		ug/L	U H	YES	UJ	UJ	UJ												
4-CHLOROPHENYL PHENYL ETHER	1.9		ug/L	U H	YES	UJ	UJ	UJ												
4-NITROANILINE	1.9		ug/L	U H	YES	UJ	UJ	UJ												
4-NITROPHENOL	4.8		ug/L	U H	YES	UJ	UJ	UJ												
ACENAPHTHENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
ACENAPHTHYLENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
ANTHRACENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
Benz[a]anthracene	0.19		ug/L	U H	YES	UJ	UJ	UJ												
Benzo[a]pyrene	0.19		ug/L	U H	YES	UJ	UJ	UJ												
Benzo[b]fluoranthene	0.19		ug/L	U H	YES	UJ	UJ	UJ												
Benzo[g,h,i]perylene	0.19		ug/L	U H	YES	UJ	UJ	UJ												
Benzo[k]fluoranthene	0.19		ug/L	U H	YES	UJ	UJ	UJ												
BENZOIC ACID	24		ug/L	U H	YES	UJ	UJ	UJ												
BENZYL ALCOHOL	4.8		ug/L	U H	YES	UJ	UJ	UJ												
BIS(2-CHLOROETHOXY)METHANE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
BIS(2-CHLOROETHYL) ETHER	0.95		ug/L	U H	YES	UJ	UJ	UJ												
BIS(2-CHLOROISOPROPYL) ETHER	0.95		ug/L	U H	YES	UJ	UJ	UJ												
BIS(2-ETHYLHEXYL) PHTHALATE	0.90		ug/L	J H	YES	J	J	J						J						
BUTYL BENZYL PHTHALATE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
CARBAZOLE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
CHRYSENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
Dibenz[a,h]anthracene	0.19		ug/L	U H	YES	UJ	UJ	UJ												
DIBENZOFURAN	0.95		ug/L	U H	YES	UJ	UJ	UJ												

JW 11/16/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI **Library Used:** RVAAP_PB08

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8270C					**Dilution: 1**															
DIETHYL PHTHALATE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
DIMETHYL PHTHALATE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
DI-N-BUTYL PHTHALATE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
DI-N-OCTYL PHTHALATE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
FLUORANTHENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
FLUORENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
HEXACHLOROBENZENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
HEXACHLOROBUTADIENE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
HEXACHLOROCYCLOPENTADIENE	9.5		ug/L	U H	YES	UJ	UJ	UJ												
HEXACHLOROETHANE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
Indeno[1,2,3-cd]pyrene	0.19		ug/L	U H	YES	UJ	UJ	UJ												
ISOPHORONE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
NAPHTHALENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
NITROBENZENE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
N-NITROSODI-N-PROPYLAMINE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
N-NITROSODIPHENYLAMINE	0.95		ug/L	U H	YES	UJ	UJ	UJ												
PENTACHLOROPHENOL	4.8		ug/L	U H	YES	UJ	UJ	UJ												
PHENANTHRENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
PHENOL	0.95		ug/L	U H	YES	UJ	UJ	UJ												
PYRENE	0.19		ug/L	U H	YES	UJ	UJ	UJ												
Analysis Method : 8330B					**Dilution: 1**															
1,3-DINITROBENZENE	0.15		ug/L	U	YES	UJ	UJ													
2,4,6-Trinitrotoluene (TNT)	0.15		ug/L	U	YES	UJ	UJ													
2,4-DINITROTOLUENE	0.13		ug/L	U	YES	UJ	UJ													
2,6-DINITROTOLUENE	0.13		ug/L	U	YES	UJ	UJ													
2-AMINO-4,6-DINITROTOLUENE	0.15		ug/L	U	YES	UJ	UJ													
2-NITROTOLUENE	0.51		ug/L	U	YES	UJ	UJ													
3-NITROTOLUENE	0.51		ug/L	U	YES	UJ	UJ													

JW 11/16/2012

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI **Library Used:** RVAAP_PB08

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA SAC
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8330B					**Dilution: 1**															
4-AMINO-2,6-DINITROTOLUENE	0.15		ug/L	U	YES	UJ	UJ													
4-NITROTOLUENE	0.51		ug/L	U	YES	UJ	UJ													
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.15		ug/L	U	YES	UJ	UJ													
Methyl-2,4,6-Trinitrophenylnitramine (Tetryl)	0.15		ug/L	U	YES	UJ	UJ													
NITROBENZENE	0.15		ug/L	U	YES	UJ	UJ													
Nitroglycerin	0.66		ug/L	U	YES	UJ	UJ													
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	0.15		ug/L	U	YES	UJ	UJ													
PETN	0.66		ug/L	U	YES	UJ	UJ													
Analysis Method : 8330M					**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES	UJ	UJ													

11/16/2012 11/16/2012

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : LL6SW-096-5871-SW
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES/TOT
Sample Matrix : AQ
Lab Sample ID: 240-14026-2

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 6020					**Dilution: 1**															
ALUMINUM	60		ug/L	U	YES															
ANTIMONY	0.45		ug/L	J	YES	J								J						
ARSENIC	1.2		ug/L	J	YES	J								J						
BARIUM	13		ug/L		YES															
CALCIUM	26000		ug/L		YES															
CHROMIUM	2.0		ug/L	U	YES															
COPPER	4.0		ug/L	U	YES															
IRON	170		ug/L		YES															
LEAD	1.0		ug/L	U	YES															
MAGNESIUM	5000		ug/L		YES															
MANGANESE	34		ug/L		YES															
NICKEL	5.0		ug/L	U	YES															
POTASSIUM	1500		ug/L		YES															
SELENIUM	0.32		ug/L	J	YES	J								J						
SILVER	1.0		ug/L	U	YES															
THALLIUM	0.35		ug/L	J	YES	J								J						
VANADIUM	5.0		ug/L	U	YES															
ZINC	40		ug/L	U	YES															
Analysis Method : 7470A					**Dilution: 1**															
MERCURY	0.20		ug/L	U	YES															
Analysis Method : WS-WC-0050					**Dilution: 1**															
Nitrocellulose	2.0		mg/L	U	YES															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : PBA08-QC-6244-TB
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-1

Reviewed By / Date :

Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B						**Dilution: 1**														
1,1,1-TRICHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
1,1,2,2-TETRACHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
1,1,2-TRICHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
1,1-DICHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
1,1-DICHLOROETHENE	1.0		ug/L	U	YES	UJ	UJ													
1,2-Dibromoethane (Ethylene Dibromide)	1.0		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROETHENE (TOTAL)	2.0		ug/L	U	YES	UJ	UJ													
1,2-DICHLOROPROPANE	1.0		ug/L	U	YES	UJ	UJ													
2-Butanone (MEK)	10		ug/L	U	YES	UJ	UJ													
2-HEXANONE	10		ug/L	U	YES	UJ	UJ													
4-Methyl-2-pentanone (MIBK)	10		ug/L	U	YES	UJ	UJ													
ACETONE	1.9		ug/L	J	YES	J	J							J						
BENZENE	1.0		ug/L	U	YES	UJ	UJ													
BROMOCHLOROMETHANE	1.0		ug/L	U	YES	UJ	UJ													
BROMODICHLOROMETHANE	1.0		ug/L	U	YES	UJ	UJ													
BROMOFORM	1.0		ug/L	U	YES	UJ	UJ													
Bromomethane (Methyl bromide)	1.0		ug/L	U	YES	UJ	UJ													
CARBON DISULFIDE	1.0		ug/L	U	YES	UJ	UJ													
CARBON TETRACHLORIDE	1.0		ug/L	U	YES	UJ	UJ													
CHLOROBENZENE	1.0		ug/L	U	YES	UJ	UJ													
Chlorodibromomethane	1.0		ug/L	U	YES	UJ	UJ													
CHLOROETHANE	1.0		ug/L	U	YES	UJ	UJ													
CHLOROFORM	1.0		ug/L	U	YES	UJ	UJ													
CHLOROMETHANE	1.0		ug/L	U	YES	UJ	UJ													
CIS-1,3-DICHLOROPROPENE	1.0		ug/L	U	YES	UJ	UJ													
ETHYLBENZENE	1.0		ug/L	U	YES	UJ	UJ													
METHYLENE CHLORIDE	0.47		ug/L	J	YES	J	J							J						

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI
Library Used: RVAAP_PB08

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report (All Analytes)

Client Sample ID : PBA08-QC-6244-TB
Lab Report Batch : 240-14026-1
Lab ID : TA CAN
Sample Date : 08/09/2012
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: 240-14026-1

Reviewed By / Date : .....
Approved By / Date : .....

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV
Analysis Method : 8260B					**Dilution: 1**															
STYRENE	1.0		ug/L	U	YES	UJ	UJ													
TETRACHLOROETHENE	1.0		ug/L	U	YES	UJ	UJ													
TOLUENE	1.0		ug/L	U	YES	UJ	UJ													
TRANS-1,3-DICHLOROPROPENE	1.0		ug/L	U	YES	UJ	UJ													
TRICHLOROETHENE	1.0		ug/L	U	YES	UJ	UJ													
VINYL CHLORIDE	1.0		ug/L	U	YES	UJ	UJ													
Xylene (Total)	2.0		ug/L	U	YES	UJ	UJ													

JV 11/16/2012 JV 11/16/2012

Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

EDD Non-Conformance Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Non-Conformance Summary Page

Type	Count
0001	0
0002	0
0003	0
0004	1640
0005	0
0006	0
0007	0
0008	0
0009	0
0010	0
0011	0
0012	0
0013	0
0014	0
0015	0
0016	0
0017	0
0018	0
0019	0

Type	Count
0020	0
0021	0
0022	0
0023	0
0024	0
0025	2
0026	0
0027	0
0028	0
0029	0
0030	20
0031	0
0032	0
0033	0
0034	193
0035	0
0036	0
0037	0
0038	0
0039	0

Total : 1,855

RVAAP Revised rerun with current library.

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	5	Reporting_Limit	0034	The Reporting Limit of 150 ug/L for IRON, method 6020, Lab Sample ID 240-14026-2, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 100 ug/L (corrected for dilution, if applicable).	Reporting limits verified manually.
A1	7	Reporting_Limit	0034	The Reporting Limit of 1000 ug/L for MAGNESIUM, method 6020, Lab Sample ID 240-14026-2, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 100 ug/L (corrected for dilution, if applicable).	
A1	10	Reporting_Limit	0034	The Reporting Limit of 1000 ug/L for POTASSIUM, method 6020, Lab Sample ID 240-14026-2, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 200 ug/L (corrected for dilution, if applicable).	
A1	19	Reporting_Limit	0034	The Reporting Limit of 40 ug/L for ZINC, method 6020, Lab Sample ID 240-14026-2, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 10 ug/L (corrected for dilution, if applicable).	
A1	20	Reporting_Limit	0034	The Reporting Limit of 2000 ug/L for CALCIUM, method 6020, Lab Sample ID 240-14026-2, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 100 ug/L (corrected for dilution, if applicable).	
A1	22	Reporting_Limit	0034	The Reporting Limit of 1000 ug/L for SODIUM, method 6020, Lab Sample ID 240-14026-2, Analysis Type RE2/TOT, exceeds the project library specified reporting limit of 200 ug/L (corrected for dilution, if applicable).	
A1	24	Reporting_Limit	0034	The Reporting Limit of 2 ug/L for CADMIUM, method 6020, Lab Sample ID 240-14026-2, Analysis Type RE2/TOT, exceeds the project library specified reporting limit of 1 ug/L (corrected for dilution, if applicable).	
A1	52	Reporting_Limit	0034	The Reporting Limit of 0.48 ug/L for AROCLOR 1260, method 8082, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	53	Reporting_Limit	0034	The Reporting Limit of 0.48 ug/L for AROCLOR 1254, method 8082, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	54	Reporting_Limit	0034	The Reporting Limit of 0.48 ug/L for AROCLOR 1221, method 8082, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	55	Reporting_Limit	0034	The Reporting Limit of 0.48 ug/L for AROCLOR 1232, method 8082, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	56	Reporting_Limit	0034	The Reporting Limit of 0.48 ug/L for AROCLOR 1248, method 8082, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	57	Reporting_Limit	0034	The Reporting Limit of 0.48 ug/L for AROCLOR 1016, method 8082, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	60	Reporting_Limit	0034	The Reporting Limit of 0.48 ug/L for AROCLOR 1242, method 8082, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	104	Reporting_Limit	0034	The Reporting Limit of 0.13 ug/L for 2,4-DINITROTOLUENE, method 8330B, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.1 ug/L (corrected for dilution, if applicable).	
A1	125	Reporting_Limit	0034	The Reporting Limit of 2 ug/L for 1,2-DICHLOROETHENE (TOTAL), method 8260B, Lab Sample ID 240-14026-1, Analysis Type RES, exceeds the project library specified reporting limit of 1 ug/L (corrected for dilution, if applicable).	
A1	149	Reporting_Limit	0034	The Reporting Limit of 10 ug/Kg for 1,2-DICHLOROETHENE (TOTAL), method 8260B, Lab Sample ID MB 240-54116/11, Analysis Type RES/WET, exceeds the project library specified reporting limit of 5 ug/Kg (corrected for dilution, if applicable).	
A1	172	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for AROCLOR 1260, method 8082, Lab Sample ID MB 240-54333/18-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	173	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for AROCLOR 1254, method 8082, Lab Sample ID MB 240-54333/18-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	174	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for AROCLOR 1221, method 8082, Lab Sample ID MB 240-54333/18-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	175	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for AROCLOR 1232, method 8082, Lab Sample ID MB 240-54333/18-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	176	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for AROCLOR 1248, method 8082, Lab Sample ID MB 240-54333/18-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	177	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for AROCLOR 1016, method 8082, Lab Sample ID MB 240-54333/18-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	180	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for AROCLOR 1242, method 8082, Lab Sample ID MB 240-54333/18-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	208	Reporting_Limit	0034	The Reporting Limit of 2.5 ug/Kg for HEPTACHLOR EPOXIDE, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	209	Reporting_Limit	0034	The Reporting Limit of 3 ug/Kg for ENDOSULFAN SULFATE, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	212	Reporting_Limit	0034	The Reporting Limit of 4 ug/Kg for ALDRIN, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	213	Reporting_Limit	0034	The Reporting Limit of 2.5 ug/Kg for ALPHA-BHC, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	214	Reporting_Limit	0034	The Reporting Limit of 3.5 ug/Kg for BETA-BHC, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	215	Reporting_Limit	0034	The Reporting Limit of 4 ug/Kg for DELTA-BHC, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	216	Reporting_Limit	0034	The Reporting Limit of 2.5 ug/Kg for ENDOSULFAN II, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	217	Reporting_Limit	0034	The Reporting Limit of 2 ug/Kg for 4,4'-DDT, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	218	Reporting_Limit	0034	The Reporting Limit of 3 ug/Kg for alpha-Chordane, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	220	Reporting_Limit	0034	The Reporting Limit of 2 ug/Kg for ENDRIN KETONE, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	221	Reporting_Limit	0034	The Reporting Limit of 2.5 ug/Kg for gamma-BHC (Lindane), method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	225	Reporting_Limit	0034	The Reporting Limit of 2 ug/Kg for 4,4'-DDD, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	227	Reporting_Limit	0034	The Reporting Limit of 3 ug/Kg for ENDRIN ALDEHYDE, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	228	Reporting_Limit	0034	The Reporting Limit of 3.5 ug/Kg for HEPTACHLOR, method 8081A, Lab Sample ID MB 240-55015/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	247	Reporting_Limit	0034	The Reporting Limit of 2 ug/L for 1,2-DICHLOROETHENE (TOTAL), method 8260B, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 1 ug/L (corrected for dilution, if applicable).	
A1	303	Reporting_Limit	0034	The Reporting Limit of 0.13 ug/L for 2,6-DINITROTOLUENE, method 8330B, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.1 ug/L (corrected for dilution, if applicable).	
A1	306	Reporting_Limit	0034	The Reporting Limit of 0.51 ug/L for 2-NITROTOLUENE, method 8330B, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.2 ug/L (corrected for dilution, if applicable).	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08 **Laboratory: TA CAN**

Library Description: Per DoD QSM V3 January 2006 **Report Date: 11/7/2012 17:07**

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	308	Reporting_Limit	0034	The Reporting Limit of 0.51 ug/L for 3-NITROTOLUENE, method 8330B, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.2 ug/L (corrected for dilution, if applicable).	
A1	310	Reporting_Limit	0034	The Reporting Limit of 0.51 ug/L for 4-NITROTOLUENE, method 8330B, Lab Sample ID 240-14026-2, Analysis Type RES, exceeds the project library specified reporting limit of 0.2 ug/L (corrected for dilution, if applicable).	
A1	321	Reporting_Limit	0034	The Reporting Limit of 62 mg/Kg for IRON, method 6020, Lab Sample ID 240-14026-3, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 17 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	323	Reporting_Limit	0034	The Reporting Limit of 120 mg/Kg for MAGNESIUM, method 6020, Lab Sample ID 240-14026-3, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 17 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	338	Reporting_Limit	0034	The Reporting Limit of 120 mg/Kg for POTASSIUM, method 6020, Lab Sample ID 240-14026-3, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 33 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	340	Reporting_Limit	0034	The Reporting Limit of 120 mg/Kg for SODIUM, method 6020, Lab Sample ID 240-14026-3, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 33 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	346	Reporting_Limit	0034	The Reporting Limit of 0.25 mg/Kg for CADMIUM, method 6020, Lab Sample ID 240-14026-3, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 0.17 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	350	Reporting_Limit	0034	The Reporting Limit of 20 ug/Kg for ENDRIN ALDEHYDE, method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	351	Reporting_Limit	0034	The Reporting Limit of 23 ug/Kg for HEPTACHLOR, method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	356	Reporting_Limit	0034	The Reporting Limit of 72 ug/Kg for AROCLOR 1260, method 8082, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 2.5 ug/Kg (corrected for dilution and % moi, if applicable).	

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Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

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Table	Record	Field	Type	Description	Lab Comments
A1	357	Reporting_Limit	0034	The Reporting Limit of 72 ug/Kg for AROCLOR 1254, method 8082, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 2.5 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	358	Reporting_Limit	0034	The Reporting Limit of 66 ug/Kg for AROCLOR 1221, method 8082, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 2.5 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	359	Reporting_Limit	0034	The Reporting Limit of 59 ug/Kg for AROCLOR 1232, method 8082, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 2.5 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	360	Reporting_Limit	0034	The Reporting Limit of 72 ug/Kg for AROCLOR 1248, method 8082, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 2.5 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	361	Reporting_Limit	0034	The Reporting Limit of 86 ug/Kg for AROCLOR 1016, method 8082, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 2.5 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	364	Reporting_Limit	0034	The Reporting Limit of 53 ug/Kg for AROCLOR 1242, method 8082, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 2.5 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	383	Reporting_Limit	0034	The Reporting Limit of 13 ug/Kg for 1,2-DICHLOROETHENE (TOTAL), method 8260B, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 7.4 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	471	Reporting_Limit	0034	The Reporting Limit of 5 mg/Kg for ZINC, method 6020, Lab Sample ID 240-14026-3, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 1.7 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	472	Reporting_Limit	0034	The Reporting Limit of 250 mg/Kg for CALCIUM, method 6020, Lab Sample ID 240-14026-3, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 17 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	475	Reporting_Limit	0034	The Reporting Limit of 19 ug/Kg for HEPTACHLOR EPOXIDE, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	

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Lab Reporting Batch ID: 240-14026-1

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Table	Record	Field	Type	Description	Lab Comments
A1	476	Reporting_Limit	0034	The Reporting Limit of 22 ug/Kg for ENDOSULFAN SULFATE, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	479	Reporting_Limit	0034	The Reporting Limit of 30 ug/Kg for ALDRIN, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	480	Reporting_Limit	0034	The Reporting Limit of 19 ug/Kg for ALPHA-BHC, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	481	Reporting_Limit	0034	The Reporting Limit of 26 ug/Kg for BETA-BHC, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	482	Reporting_Limit	0034	The Reporting Limit of 30 ug/Kg for DELTA-BHC, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	483	Reporting_Limit	0034	The Reporting Limit of 19 ug/Kg for ENDOSULFAN II, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	484	Reporting_Limit	0034	The Reporting Limit of 15 ug/Kg for 4,4'-DDT, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	485	Reporting_Limit	0034	The Reporting Limit of 22 ug/Kg for alpha-Chordane, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	487	Reporting_Limit	0034	The Reporting Limit of 15 ug/Kg for ENDRIN KETONE, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	488	Reporting_Limit	0034	The Reporting Limit of 19 ug/Kg for gamma-BHC (Lindane), method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	

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Table	Record	Field	Type	Description	Lab Comments
A1	492	Reporting_Limit	0034	The Reporting Limit of 15 ug/Kg for 4,4'-DDD, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	494	Reporting_Limit	0034	The Reporting Limit of 22 ug/Kg for ENDRIN ALDEHYDE, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	495	Reporting_Limit	0034	The Reporting Limit of 26 ug/Kg for HEPTACHLOR, method 8081A, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 14 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	500	Reporting_Limit	0034	The Reporting Limit of 82 ug/Kg for AROCLOR 1260, method 8082, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 2.8 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	501	Reporting_Limit	0034	The Reporting Limit of 82 ug/Kg for AROCLOR 1254, method 8082, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 2.8 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	502	Reporting_Limit	0034	The Reporting Limit of 75 ug/Kg for AROCLOR 1221, method 8082, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 2.8 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	503	Reporting_Limit	0034	The Reporting Limit of 67 ug/Kg for AROCLOR 1232, method 8082, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 2.8 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	504	Reporting_Limit	0034	The Reporting Limit of 82 ug/Kg for AROCLOR 1248, method 8082, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 2.8 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	505	Reporting_Limit	0034	The Reporting Limit of 97 ug/Kg for AROCLOR 1016, method 8082, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 2.8 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	508	Reporting_Limit	0034	The Reporting Limit of 60 ug/Kg for AROCLOR 1242, method 8082, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 2.8 ug/Kg (corrected for dilution and % moi, if applicable).	

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Table	Record	Field	Type	Description	Lab Comments
A1	527	Reporting_Limit	0034	The Reporting Limit of 15 ug/Kg for 1,2-DICHLOROETHENE (TOTAL), method 8260B, Lab Sample ID 240-14026-3, Analysis Type RES, exceeds the project library specified reporting limit of 8.3 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	681	Reporting_Limit	0034	The Reporting Limit of 57 mg/Kg for IRON, method 6020, Lab Sample ID 240-14026-4, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 15 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	683	Reporting_Limit	0034	The Reporting Limit of 110 mg/Kg for MAGNESIUM, method 6020, Lab Sample ID 240-14026-4, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 15 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	685	Reporting_Limit	0034	The Reporting Limit of 110 mg/Kg for POTASSIUM, method 6020, Lab Sample ID 240-14026-4, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 29 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	687	Reporting_Limit	0034	The Reporting Limit of 110 mg/Kg for SODIUM, method 6020, Lab Sample ID 240-14026-4, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 29 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	693	Reporting_Limit	0034	The Reporting Limit of 0.23 mg/Kg for CADMIUM, method 6020, Lab Sample ID 240-14026-4, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 0.15 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	698	Reporting_Limit	0034	The Reporting Limit of 4.6 mg/Kg for ZINC, method 6020, Lab Sample ID 240-14026-4, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 1.5 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	699	Reporting_Limit	0034	The Reporting Limit of 230 mg/Kg for CALCIUM, method 6020, Lab Sample ID 240-14026-4, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 15 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	703	Reporting_Limit	0034	The Reporting Limit of 16 ug/Kg for HEPTACHLOR EPOXIDE, method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	704	Reporting_Limit	0034	The Reporting Limit of 20 ug/Kg for ENDOSULFAN SULFATE, method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	

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Table	Record	Field	Type	Description	Lab Comments
A1	707	Reporting_Limit	0034	The Reporting Limit of 26 ug/Kg for ALDRIN, method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	708	Reporting_Limit	0034	The Reporting Limit of 16 ug/Kg for ALPHA-BHC, method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	709	Reporting_Limit	0034	The Reporting Limit of 23 ug/Kg for BETA-BHC, method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	710	Reporting_Limit	0034	The Reporting Limit of 26 ug/Kg for DELTA-BHC, method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	711	Reporting_Limit	0034	The Reporting Limit of 16 ug/Kg for ENDOSULFAN II, method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	713	Reporting_Limit	0034	The Reporting Limit of 20 ug/Kg for alpha-Chordane, method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	716	Reporting_Limit	0034	The Reporting Limit of 16 ug/Kg for gamma-BHC (Lindane), method 8081A, Lab Sample ID 240-14026-4, Analysis Type RES, exceeds the project library specified reporting limit of 13 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	753	Reporting_Limit	0034	The Reporting Limit of 60 mg/Kg for IRON, method 6020, Lab Sample ID 240-14026-5, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 15 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	755	Reporting_Limit	0034	The Reporting Limit of 120 mg/Kg for MAGNESIUM, method 6020, Lab Sample ID 240-14026-5, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 15 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	757	Reporting_Limit	0034	The Reporting Limit of 120 mg/Kg for POTASSIUM, method 6020, Lab Sample ID 240-14026-5, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 30 mg/Kg (corrected for dilution and % moi, if applicable).	

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Table	Record	Field	Type	Description	Lab Comments
A1	759	Reporting_Limit	0034	The Reporting Limit of 120 mg/Kg for SODIUM, method 6020, Lab Sample ID 240-14026-5, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 30 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	765	Reporting_Limit	0034	The Reporting Limit of 0.24 mg/Kg for CADMIUM, method 6020, Lab Sample ID 240-14026-5, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 0.15 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	770	Reporting_Limit	0034	The Reporting Limit of 4.8 mg/Kg for ZINC, method 6020, Lab Sample ID 240-14026-5, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 1.5 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	771	Reporting_Limit	0034	The Reporting Limit of 240 mg/Kg for CALCIUM, method 6020, Lab Sample ID 240-14026-5, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 15 mg/Kg (corrected for dilution and % moi, if applicable).	
A1	775	Reporting_Limit	0034	The Reporting Limit of 35 ug/Kg for HEPTACHLOR EPOXIDE, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	776	Reporting_Limit	0034	The Reporting Limit of 41 ug/Kg for ENDOSULFAN SULFATE, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	779	Reporting_Limit	0034	The Reporting Limit of 55 ug/Kg for ALDRIN, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	780	Reporting_Limit	0034	The Reporting Limit of 35 ug/Kg for ALPHA-BHC, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	781	Reporting_Limit	0034	The Reporting Limit of 48 ug/Kg for BETA-BHC, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	782	Reporting_Limit	0034	The Reporting Limit of 55 ug/Kg for DELTA-BHC, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	

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Table	Record	Field	Type	Description	Lab Comments
A1	783	Reporting_Limit	0034	The Reporting Limit of 35 ug/Kg for ENDOSULFAN II, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	784	Reporting_Limit	0034	The Reporting Limit of 28 ug/Kg for 4,4'-DDT, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	785	Reporting_Limit	0034	The Reporting Limit of 41 ug/Kg for alpha-Chordane, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	787	Reporting_Limit	0034	The Reporting Limit of 28 ug/Kg for ENDRIN KETONE, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	788	Reporting_Limit	0034	The Reporting Limit of 35 ug/Kg for gamma-BHC (Lindane), method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	792	Reporting_Limit	0034	The Reporting Limit of 28 ug/Kg for 4,4'-DDD, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	794	Reporting_Limit	0034	The Reporting Limit of 41 ug/Kg for ENDRIN ALDEHYDE, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	795	Reporting_Limit	0034	The Reporting Limit of 48 ug/Kg for HEPTACHLOR, method 8081A, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 26 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	800	Reporting_Limit	0034	The Reporting Limit of 76 ug/Kg for AROCLOR 1260, method 8082, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 2.6 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	801	Reporting_Limit	0034	The Reporting Limit of 76 ug/Kg for AROCLOR 1254, method 8082, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 2.6 ug/Kg (corrected for dilution and % moi, if applicable).	

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Table	Record	Field	Type	Description	Lab Comments
A1	802	Reporting_Limit	0034	The Reporting Limit of 69 ug/Kg for AROCLOR 1221, method 8082, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 2.6 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	803	Reporting_Limit	0034	The Reporting Limit of 62 ug/Kg for AROCLOR 1232, method 8082, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 2.6 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	804	Reporting_Limit	0034	The Reporting Limit of 76 ug/Kg for AROCLOR 1248, method 8082, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 2.6 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	805	Reporting_Limit	0034	The Reporting Limit of 90 ug/Kg for AROCLOR 1016, method 8082, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 2.6 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	808	Reporting_Limit	0034	The Reporting Limit of 55 ug/Kg for AROCLOR 1242, method 8082, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 2.6 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	827	Reporting_Limit	0034	The Reporting Limit of 14 ug/Kg for 1,2-DICHLOROETHENE (TOTAL), method 8260B, Lab Sample ID 240-14026-5, Analysis Type RES, exceeds the project library specified reporting limit of 7.5 ug/Kg (corrected for dilution and % moi, if applicable).	
A1	949	Reporting_Limit	0034	The Reporting Limit of 2000 ug/L for CALCIUM, method 6020, Lab Sample ID LCS 240-55243/2-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 100 ug/L (corrected for dilution, if applicable).	
A1	951	Reporting_Limit	0034	The Reporting Limit of 1000 ug/L for SODIUM, method 6020, Lab Sample ID LCS 240-55243/2-A, Analysis Type RE2/TOT, exceeds the project library specified reporting limit of 200 ug/L (corrected for dilution, if applicable).	
A1	953	Reporting_Limit	0034	The Reporting Limit of 2 ug/L for CADMIUM, method 6020, Lab Sample ID LCS 240-55243/2-A, Analysis Type RE2/TOT, exceeds the project library specified reporting limit of 1 ug/L (corrected for dilution, if applicable).	
A1	1006	Reporting_Limit	0034	The Reporting Limit of 10 ug/Kg for 1,2-DICHLOROETHENE (TOTAL), method 8260B, Lab Sample ID LCS 240-54116/6, Analysis Type RES/WET, exceeds the project library specified reporting limit of 5 ug/Kg (corrected for dilution, if applicable).	

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Table	Record	Field	Type	Description	Lab Comments
A1	1029	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for AROCLOR 1260, method 8082, Lab Sample ID LCS 240-54333/19-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	1030	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for AROCLOR 1016, method 8082, Lab Sample ID LCS 240-54333/19-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.05 ug/L (corrected for dilution, if applicable).	
A1	1059	Reporting_Limit	0034	The Reporting Limit of 2.5 ug/Kg for HEPTACHLOR EPOXIDE, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1060	Reporting_Limit	0034	The Reporting Limit of 3 ug/Kg for ENDOSULFAN SULFATE, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1063	Reporting_Limit	0034	The Reporting Limit of 4 ug/Kg for ALDRIN, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1064	Reporting_Limit	0034	The Reporting Limit of 2.5 ug/Kg for ALPHA-BHC, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1065	Reporting_Limit	0034	The Reporting Limit of 3.5 ug/Kg for BETA-BHC, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1066	Reporting_Limit	0034	The Reporting Limit of 4 ug/Kg for DELTA-BHC, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1067	Reporting_Limit	0034	The Reporting Limit of 2.5 ug/Kg for ENDOSULFAN II, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1068	Reporting_Limit	0034	The Reporting Limit of 2 ug/Kg for 4,4'-DDT, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08 | **Laboratory: TA CAN**

Library Description: Per DoD QSM V3 January 2006 | **Report Date: 11/7/2012 17:07**

Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	1069	Reporting_Limit	0034	The Reporting Limit of 3 ug/Kg for alpha-Chordane, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1071	Reporting_Limit	0034	The Reporting Limit of 2 ug/Kg for ENDRIN KETONE, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1072	Reporting_Limit	0034	The Reporting Limit of 2.5 ug/Kg for gamma-BHC (Lindane), method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1076	Reporting_Limit	0034	The Reporting Limit of 2 ug/Kg for 4,4'-DDD, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1078	Reporting_Limit	0034	The Reporting Limit of 3 ug/Kg for ENDRIN ALDEHYDE, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1079	Reporting_Limit	0034	The Reporting Limit of 3.5 ug/Kg for HEPTACHLOR, method 8081A, Lab Sample ID LCS 240-55015/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1083	Reporting_Limit	0034	The Reporting Limit of 55 ug/Kg for AROCLOR 1260, method 8082, Lab Sample ID LCS 240-55018/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1084	Reporting_Limit	0034	The Reporting Limit of 65 ug/Kg for AROCLOR 1016, method 8082, Lab Sample ID LCS 240-55018/16-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1182	Reporting_Limit	0034	The Reporting Limit of 150 ug/L for IRON, method 6020, Lab Sample ID LCS 240-55243/2-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 100 ug/L (corrected for dilution, if applicable).	
A1	1184	Reporting_Limit	0034	The Reporting Limit of 1000 ug/L for MAGNESIUM, method 6020, Lab Sample ID LCS 240-55243/2-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 100 ug/L (corrected for dilution, if applicable).	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
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Method/QAPP QC Non-conformances

Table	Record	Field	Type	Description	Lab Comments
A1	1187	Reporting_Limit	0034	The Reporting Limit of 1000 ug/L for POTASSIUM, method 6020, Lab Sample ID LCS 240-55243/2-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 200 ug/L (corrected for dilution, if applicable).	
A1	1196	Reporting_Limit	0034	The Reporting Limit of 40 ug/L for ZINC, method 6020, Lab Sample ID LCS 240-55243/2-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 10 ug/L (corrected for dilution, if applicable).	
A1	1244	Reporting_Limit	0034	The Reporting Limit of 2 ug/L for 1,2-DICHLOROETHENE (TOTAL), method 8260B, Lab Sample ID LCS 240-55445/5, Analysis Type RES, exceeds the project library specified reporting limit of 1 ug/L (corrected for dilution, if applicable).	
A1	1268	Reporting_Limit	0034	The Reporting Limit of 50 mg/Kg for IRON, method 6020, Lab Sample ID LCS 240-56140/2-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 10 mg/Kg (corrected for dilution, if applicable).	
A1	1270	Reporting_Limit	0034	The Reporting Limit of 100 mg/Kg for MAGNESIUM, method 6020, Lab Sample ID LCS 240-56140/2-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 10 mg/Kg (corrected for dilution, if applicable).	
A1	1273	Reporting_Limit	0034	The Reporting Limit of 100 mg/Kg for POTASSIUM, method 6020, Lab Sample ID LCS 240-56140/2-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 20 mg/Kg (corrected for dilution, if applicable).	
A1	1282	Reporting_Limit	0034	The Reporting Limit of 4 mg/Kg for ZINC, method 6020, Lab Sample ID LCS 240-56140/2-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 1 mg/Kg (corrected for dilution, if applicable).	
A1	1283	Reporting_Limit	0034	The Reporting Limit of 200 mg/Kg for CALCIUM, method 6020, Lab Sample ID LCS 240-56140/2-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 10 mg/Kg (corrected for dilution, if applicable).	
A1	1285	Reporting_Limit	0034	The Reporting Limit of 100 mg/Kg for SODIUM, method 6020, Lab Sample ID LCS 240-56140/2-A, Analysis Type RE2/TOT, exceeds the project library specified reporting limit of 20 mg/Kg (corrected for dilution, if applicable).	
A1	1287	Reporting_Limit	0034	The Reporting Limit of 0.2 mg/Kg for CADMIUM, method 6020, Lab Sample ID LCS 240-56140/2-A, Analysis Type RE2/TOT, exceeds the project library specified reporting limit of 0.1 mg/Kg (corrected for dilution, if applicable).	

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Library Description: Per DoD QSM V3 January 2006

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Table	Record	Field	Type	Description	Lab Comments
A1	1291	Reporting_Limit	0034	The Reporting Limit of 0.13 ug/L for 2,4-DINITROTOLUENE, method 8330B, Lab Sample ID LCS 320-2738/2-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.1 ug/L (corrected for dilution, if applicable).	
A1	1298	Reporting_Limit	0034	The Reporting Limit of 0.13 ug/L for 2,6-DINITROTOLUENE, method 8330B, Lab Sample ID LCS 320-2738/2-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.1 ug/L (corrected for dilution, if applicable).	
A1	1301	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for 2-NITROTOLUENE, method 8330B, Lab Sample ID LCS 320-2738/2-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.2 ug/L (corrected for dilution, if applicable).	
A1	1303	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for 3-NITROTOLUENE, method 8330B, Lab Sample ID LCS 320-2738/2-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.2 ug/L (corrected for dilution, if applicable).	
A1	1306	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for 4-NITROTOLUENE, method 8330B, Lab Sample ID LCS 320-2738/2-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.2 ug/L (corrected for dilution, if applicable).	
A1	1332	Reporting_Limit	0034	The Reporting Limit of 55 ug/Kg for AROCLOR 1260, method 8082, Lab Sample ID MB 240-55018/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1333	Reporting_Limit	0034	The Reporting Limit of 55 ug/Kg for AROCLOR 1254, method 8082, Lab Sample ID MB 240-55018/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1334	Reporting_Limit	0034	The Reporting Limit of 50 ug/Kg for AROCLOR 1221, method 8082, Lab Sample ID MB 240-55018/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1335	Reporting_Limit	0034	The Reporting Limit of 45 ug/Kg for AROCLOR 1232, method 8082, Lab Sample ID MB 240-55018/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1336	Reporting_Limit	0034	The Reporting Limit of 55 ug/Kg for AROCLOR 1248, method 8082, Lab Sample ID MB 240-55018/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	

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Table	Record	Field	Type	Description	Lab Comments
A1	1337	Reporting_Limit	0034	The Reporting Limit of 65 ug/Kg for AROCLOR 1016, method 8082, Lab Sample ID MB 240-55018/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1340	Reporting_Limit	0034	The Reporting Limit of 40 ug/Kg for AROCLOR 1242, method 8082, Lab Sample ID MB 240-55018/15-A, Analysis Type RES/WET, exceeds the project library specified reporting limit of 1.7 ug/Kg (corrected for dilution, if applicable).	
A1	1404	Reporting_Limit	0034	The Reporting Limit of 150 ug/L for IRON, method 6020, Lab Sample ID MB 240-55243/1-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 100 ug/L (corrected for dilution, if applicable).	
A1	1406	Reporting_Limit	0034	The Reporting Limit of 1000 ug/L for MAGNESIUM, method 6020, Lab Sample ID MB 240-55243/1-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 100 ug/L (corrected for dilution, if applicable).	
A1	1409	Reporting_Limit	0034	The Reporting Limit of 1000 ug/L for POTASSIUM, method 6020, Lab Sample ID MB 240-55243/1-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 200 ug/L (corrected for dilution, if applicable).	
A1	1418	Reporting_Limit	0034	The Reporting Limit of 40 ug/L for ZINC, method 6020, Lab Sample ID MB 240-55243/1-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 10 ug/L (corrected for dilution, if applicable).	
A1	1419	Reporting_Limit	0034	The Reporting Limit of 2000 ug/L for CALCIUM, method 6020, Lab Sample ID MB 240-55243/1-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 100 ug/L (corrected for dilution, if applicable).	
A1	1421	Reporting_Limit	0034	The Reporting Limit of 1000 ug/L for SODIUM, method 6020, Lab Sample ID MB 240-55243/1-A, Analysis Type RE2/TOT, exceeds the project library specified reporting limit of 200 ug/L (corrected for dilution, if applicable).	
A1	1423	Reporting_Limit	0034	The Reporting Limit of 2 ug/L for CADMIUM, method 6020, Lab Sample ID MB 240-55243/1-A, Analysis Type RE2/TOT, exceeds the project library specified reporting limit of 1 ug/L (corrected for dilution, if applicable).	
A1	1514	Reporting_Limit	0034	The Reporting Limit of 2 ug/L for 1,2-DICHLOROETHENE (TOTAL), method 8260B, Lab Sample ID MB 240-55445/7, Analysis Type RES, exceeds the project library specified reporting limit of 1 ug/L (corrected for dilution, if applicable).	

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Table	Record	Field	Type	Description	Lab Comments
A1	1538	Reporting_Limit	0034	The Reporting Limit of 50 mg/Kg for IRON, method 6020, Lab Sample ID MB 240-56140/1-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 10 mg/Kg (corrected for dilution, if applicable).	
A1	1540	Reporting_Limit	0034	The Reporting Limit of 100 mg/Kg for MAGNESIUM, method 6020, Lab Sample ID MB 240-56140/1-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 10 mg/Kg (corrected for dilution, if applicable).	
A1	1543	Reporting_Limit	0034	The Reporting Limit of 100 mg/Kg for POTASSIUM, method 6020, Lab Sample ID MB 240-56140/1-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 20 mg/Kg (corrected for dilution, if applicable).	
A1	1552	Reporting_Limit	0034	The Reporting Limit of 4 mg/Kg for ZINC, method 6020, Lab Sample ID MB 240-56140/1-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 1 mg/Kg (corrected for dilution, if applicable).	
A1	1553	Reporting_Limit	0034	The Reporting Limit of 200 mg/Kg for CALCIUM, method 6020, Lab Sample ID MB 240-56140/1-A, Analysis Type RES/TOT, exceeds the project library specified reporting limit of 10 mg/Kg (corrected for dilution, if applicable).	
A1	1555	Reporting_Limit	0034	The Reporting Limit of 100 mg/Kg for SODIUM, method 6020, Lab Sample ID MB 240-56140/1-A, Analysis Type RE2/TOT, exceeds the project library specified reporting limit of 20 mg/Kg (corrected for dilution, if applicable).	
A1	1557	Reporting_Limit	0034	The Reporting Limit of 0.2 mg/Kg for CADMIUM, method 6020, Lab Sample ID MB 240-56140/1-A, Analysis Type RE2/TOT, exceeds the project library specified reporting limit of 0.1 mg/Kg (corrected for dilution, if applicable).	
A1	1561	Reporting_Limit	0034	The Reporting Limit of 0.13 ug/L for 2,4-DINITROTOLUENE, method 8330B, Lab Sample ID MB 320-2738/1-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.1 ug/L (corrected for dilution, if applicable).	
A1	1568	Reporting_Limit	0034	The Reporting Limit of 0.13 ug/L for 2,6-DINITROTOLUENE, method 8330B, Lab Sample ID MB 320-2738/1-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.1 ug/L (corrected for dilution, if applicable).	
A1	1571	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for 2-NITROTOLUENE, method 8330B, Lab Sample ID MB 320-2738/1-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.2 ug/L (corrected for dilution, if applicable).	

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Table	Record	Field	Type	Description	Lab Comments
A1	1573	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for 3-NITROTOLUENE, method 8330B, Lab Sample ID MB 320-2738/1-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.2 ug/L (corrected for dilution, if applicable).	
A1	1575	Reporting_Limit	0034	The Reporting Limit of 0.5 ug/L for 4-NITROTOLUENE, method 8330B, Lab Sample ID MB 320-2738/1-A, Analysis Type RES, exceeds the project library specified reporting limit of 0.2 ug/L (corrected for dilution, if applicable).	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 240-55445 for method 8260B. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 240-56140 for method 6020. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike Duplicate record in method batch 240-54333 for method 8082. Either the record is missing, you have the wrong QCType value ("MSD" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 240-54116 for method 8260B. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 240-54333 for method 8082. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 240-54334 for method 8081A. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 240-55015 for method 8081A. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 240-55018 for method 8082. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	

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Table	Record	Field	Type	Description	Lab Comments
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 240-55167 for method 8270C. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 240-55243 for method 6020. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 240-55317 for method 8270C. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike Duplicate record in method batch 240-54116 for method 8260B. Either the record is missing, you have the wrong QCType value ("MSD" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike Duplicate record in method batch 240-54334 for method 8081A. Either the record is missing, you have the wrong QCType value ("MSD" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike Duplicate record in method batch 240-55015 for method 8081A. Either the record is missing, you have the wrong QCType value ("MSD" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike Duplicate record in method batch 240-55018 for method 8082. Either the record is missing, you have the wrong QCType value ("MSD" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike Duplicate record in method batch 240-55167 for method 8270C. Either the record is missing, you have the wrong QCType value ("MSD" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike Duplicate record in method batch 240-55317 for method 8270C. Either the record is missing, you have the wrong QCType value ("MSD" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike Duplicate record in method batch 240-55445 for method 8260B. Either the record is missing, you have the wrong QCType value ("MSD" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	

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Table	Record	Field	Type	Description	Lab Comments
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike record in Method Batch 320-2738 for method 8330B. Either the record is missing, you have the wrong QCType value ("MS" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	
A3		Method_Batch / Lab_Analysis_Ref_Method_ID	0030	Table A3 is missing a Matrix Spike Duplicate record in method batch 320-2738 for method 8330B. Either the record is missing, you have the wrong QCType value ("MSD" is the correct value in this case), or your MethodBatch IDs are incorrectly entered.	

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1	Reporting_Limit_Type	0004	LOQ	
A1	2	Reporting_Limit_Type	0004	LOQ	
A1	3	Reporting_Limit_Type	0004	LOQ	
A1	4	Reporting_Limit_Type	0004	LOQ	
A1	5	Reporting_Limit_Type	0004	LOQ	
A1	6	Reporting_Limit_Type	0004	LOQ	
A1	7	Reporting_Limit_Type	0004	LOQ	
A1	8	Reporting_Limit_Type	0004	LOQ	
A1	9	Reporting_Limit_Type	0004	LOQ	
A1	10	Reporting_Limit_Type	0004	LOQ	
A1	11	Reporting_Limit_Type	0004	LOQ	
A1	12	Reporting_Limit_Type	0004	LOQ	
A1	13	Reporting_Limit_Type	0004	LOQ	
A1	14	Reporting_Limit_Type	0004	LOQ	
A1	15	Reporting_Limit_Type	0004	LOQ	
A1	16	Reporting_Limit_Type	0004	LOQ	
A1	17	Reporting_Limit_Type	0004	LOQ	
A1	18	Reporting_Limit_Type	0004	LOQ	
A1	19	Reporting_Limit_Type	0004	LOQ	
A1	20	Reporting_Limit_Type	0004	LOQ	
A1	21	Reporting_Limit_Type	0004	LOQ	

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Table	Record	Field	Type	Description	Lab Comments
A1	22	Reporting_Limit_Type	0004	LOQ	
A1	23	Reporting_Limit_Type	0004	LOQ	
A1	24	Reporting_Limit_Type	0004	LOQ	
A1	25	Reporting_Limit_Type	0004	LOQ	
A1	26	Reporting_Limit_Type	0004	LOQ	
A1	27	Reporting_Limit_Type	0004	LOQ	
A1	28	Reporting_Limit_Type	0004	LOQ	
A1	29	Reporting_Limit_Type	0004	LOQ	
A1	30	Reporting_Limit_Type	0004	LOQ	
A1	31	Reporting_Limit_Type	0004	LOQ	
A1	32	Reporting_Limit_Type	0004	LOQ	
A1	33	Reporting_Limit_Type	0004	LOQ	
A1	34	Reporting_Limit_Type	0004	LOQ	
A1	35	Reporting_Limit_Type	0004	LOQ	
A1	36	Reporting_Limit_Type	0004	LOQ	
A1	37	Reporting_Limit_Type	0004	LOQ	
A1	38	Reporting_Limit_Type	0004	LOQ	
A1	39	Reporting_Limit_Type	0004	LOQ	
A1	40	Reporting_Limit_Type	0004	LOQ	
A1	41	Reporting_Limit_Type	0004	LOQ	
A1	42	Reporting_Limit_Type	0004	LOQ	
A1	43	Reporting_Limit_Type	0004	LOQ	
A1	44	Reporting_Limit_Type	0004	LOQ	
A1	45	Reporting_Limit_Type	0004	LOQ	
A1	46	Reporting_Limit_Type	0004	LOQ	
A1	47	Reporting_Limit_Type	0004	LOQ	
A1	48	Reporting_Limit_Type	0004	LOQ	
A1	49	Reporting_Limit_Type	0004	LOQ	

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	50	Reporting_Limit_Type	0004	LOQ		
A1	51	Reporting_Limit_Type	0004	LOQ		
A1	52	Reporting_Limit_Type	0004	LOQ		
A1	53	Reporting_Limit_Type	0004	LOQ		
A1	54	Reporting_Limit_Type	0004	LOQ		
A1	55	Reporting_Limit_Type	0004	LOQ		
A1	56	Reporting_Limit_Type	0004	LOQ		
A1	57	Reporting_Limit_Type	0004	LOQ		
A1	58	Reporting_Limit_Type	0004	LOQ		
A1	59	Reporting_Limit_Type	0004	LOQ		
A1	60	Reporting_Limit_Type	0004	LOQ		
A1	61	Reporting_Limit_Type	0004	LOQ		
A1	62	Reporting_Limit_Type	0004	LOQ		
A1	63	Reporting_Limit_Type	0004	LOQ		
A1	64	Reporting_Limit_Type	0004	LOQ		
A1	65	Reporting_Limit_Type	0004	LOQ		
A1	66	Reporting_Limit_Type	0004	LOQ		
A1	67	Reporting_Limit_Type	0004	LOQ		
A1	68	Reporting_Limit_Type	0004	LOQ		
A1	69	Reporting_Limit_Type	0004	LOQ		
A1	70	Reporting_Limit_Type	0004	LOQ		
A1	71	Reporting_Limit_Type	0004	LOQ		
A1	72	Reporting_Limit_Type	0004	LOQ		
A1	73	Reporting_Limit_Type	0004	LOQ		
A1	74	Reporting_Limit_Type	0004	LOQ		
A1	75	Reporting_Limit_Type	0004	LOQ		
A1	76	Reporting_Limit_Type	0004	LOQ		
A1	77	Reporting_Limit_Type	0004	LOQ		

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Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	78	Reporting_Limit_Type	0004	LOQ		
A1	79	Reporting_Limit_Type	0004	LOQ		
A1	80	Reporting_Limit_Type	0004	LOQ		
A1	81	Reporting_Limit_Type	0004	LOQ		
A1	82	Reporting_Limit_Type	0004	LOQ		
A1	83	Reporting_Limit_Type	0004	LOQ		
A1	84	Reporting_Limit_Type	0004	LOQ		
A1	85	Reporting_Limit_Type	0004	LOQ		
A1	86	Reporting_Limit_Type	0004	LOQ		
A1	87	Reporting_Limit_Type	0004	LOQ		
A1	88	Reporting_Limit_Type	0004	LOQ		
A1	89	Reporting_Limit_Type	0004	LOQ		
A1	90	Reporting_Limit_Type	0004	LOQ		
A1	91	Reporting_Limit_Type	0004	LOQ		
A1	92	Reporting_Limit_Type	0004	LOQ		
A1	93	Reporting_Limit_Type	0004	LOQ		
A1	94	Reporting_Limit_Type	0004	LOQ		
A1	95	Reporting_Limit_Type	0004	LOQ		
A1	96	Reporting_Limit_Type	0004	LOQ		
A1	97	Reporting_Limit_Type	0004	LOQ		
A1	98	Reporting_Limit_Type	0004	LOQ		
A1	99	Reporting_Limit_Type	0004	LOQ		
A1	100	Reporting_Limit_Type	0004	LOQ		
A1	101	Reporting_Limit_Type	0004	LOQ		
A1	102	Reporting_Limit_Type	0004	LOQ		
A1	103	Reporting_Limit_Type	0004	LOQ		
A1	104	Reporting_Limit_Type	0004	LOQ		
A1	105	Reporting_Limit_Type	0004	LOQ		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08 **Laboratory: TA CAN**

Library Description: Per DoD QSM V3 January 2006 **Report Date: 11/7/2012 17:07**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	106	Reporting_Limit_Type	0004	LOQ		
A1	107	Reporting_Limit_Type	0004	LOQ		
A1	108	Reporting_Limit_Type	0004	LOQ		
A1	109	Reporting_Limit_Type	0004	LOQ		
A1	110	Reporting_Limit_Type	0004	LOQ		
A1	111	Reporting_Limit_Type	0004	LOQ		
A1	112	Reporting_Limit_Type	0004	LOQ		
A1	113	Reporting_Limit_Type	0004	LOQ		
A1	114	Reporting_Limit_Type	0004	LOQ		
A1	115	Reporting_Limit_Type	0004	LOQ		
A1	116	Reporting_Limit_Type	0004	LOQ		
A1	117	Reporting_Limit_Type	0004	LOQ		
A1	118	Reporting_Limit_Type	0004	LOQ		
A1	119	Reporting_Limit_Type	0004	LOQ		
A1	120	Reporting_Limit_Type	0004	LOQ		
A1	121	Reporting_Limit_Type	0004	LOQ		
A1	122	Reporting_Limit_Type	0004	LOQ		
A1	123	Reporting_Limit_Type	0004	LOQ		
A1	124	Reporting_Limit_Type	0004	LOQ		
A1	125	Reporting_Limit_Type	0004	LOQ		
A1	126	Reporting_Limit_Type	0004	LOQ		
A1	127	Reporting_Limit_Type	0004	LOQ		
A1	128	Reporting_Limit_Type	0004	LOQ		
A1	129	Reporting_Limit_Type	0004	LOQ		
A1	130	Reporting_Limit_Type	0004	LOQ		
A1	131	Reporting_Limit_Type	0004	LOQ		
A1	132	Reporting_Limit_Type	0004	LOQ		
A1	133	Reporting_Limit_Type	0004	LOQ		

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Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	134	Reporting_Limit_Type	0004	LOQ		
A1	135	Reporting_Limit_Type	0004	LOQ		
A1	136	Reporting_Limit_Type	0004	LOQ		
A1	137	Reporting_Limit_Type	0004	LOQ		
A1	138	Reporting_Limit_Type	0004	LOQ		
A1	139	Reporting_Limit_Type	0004	LOQ		
A1	140	Reporting_Limit_Type	0004	LOQ		
A1	141	Reporting_Limit_Type	0004	LOQ		
A1	142	Reporting_Limit_Type	0004	LOQ		
A1	143	Reporting_Limit_Type	0004	LOQ		
A1	144	Reporting_Limit_Type	0004	LOQ		
A1	145	Reporting_Limit_Type	0004	LOQ		
A1	146	Reporting_Limit_Type	0004	LOQ		
A1	147	Reporting_Limit_Type	0004	LOQ		
A1	148	Reporting_Limit_Type	0004	LOQ		
A1	149	Reporting_Limit_Type	0004	LOQ		
A1	150	Reporting_Limit_Type	0004	LOQ		
A1	151	Reporting_Limit_Type	0004	LOQ		
A1	152	Reporting_Limit_Type	0004	LOQ		
A1	153	Reporting_Limit_Type	0004	LOQ		
A1	154	Reporting_Limit_Type	0004	LOQ		
A1	155	Reporting_Limit_Type	0004	LOQ		
A1	156	Reporting_Limit_Type	0004	LOQ		
A1	157	Reporting_Limit_Type	0004	LOQ		
A1	158	Reporting_Limit_Type	0004	LOQ		
A1	159	Reporting_Limit_Type	0004	LOQ		
A1	160	Reporting_Limit_Type	0004	LOQ		
A1	161	Reporting_Limit_Type	0004	LOQ		

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	162	Reporting_Limit_Type	0004	LOQ		
A1	163	Reporting_Limit_Type	0004	LOQ		
A1	164	Reporting_Limit_Type	0004	LOQ		
A1	165	Reporting_Limit_Type	0004	LOQ		
A1	166	Reporting_Limit_Type	0004	LOQ		
A1	167	Reporting_Limit_Type	0004	LOQ		
A1	168	Reporting_Limit_Type	0004	LOQ		
A1	169	Reporting_Limit_Type	0004	LOQ		
A1	170	Reporting_Limit_Type	0004	LOQ		
A1	171	Reporting_Limit_Type	0004	LOQ		
A1	172	Reporting_Limit_Type	0004	LOQ		
A1	173	Reporting_Limit_Type	0004	LOQ		
A1	174	Reporting_Limit_Type	0004	LOQ		
A1	175	Reporting_Limit_Type	0004	LOQ		
A1	176	Reporting_Limit_Type	0004	LOQ		
A1	177	Reporting_Limit_Type	0004	LOQ		
A1	178	Reporting_Limit_Type	0004	LOQ		
A1	179	Reporting_Limit_Type	0004	LOQ		
A1	180	Reporting_Limit_Type	0004	LOQ		
A1	181	Reporting_Limit_Type	0004	LOQ		
A1	182	Reporting_Limit_Type	0004	LOQ		
A1	183	Reporting_Limit_Type	0004	LOQ		
A1	184	Reporting_Limit_Type	0004	LOQ		
A1	185	Reporting_Limit_Type	0004	LOQ		
A1	186	Reporting_Limit_Type	0004	LOQ		
A1	187	Reporting_Limit_Type	0004	LOQ		
A1	188	Reporting_Limit_Type	0004	LOQ		
A1	189	Reporting_Limit_Type	0004	LOQ		

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	190	Reporting_Limit_Type	0004	LOQ	
A1	191	Reporting_Limit_Type	0004	LOQ	
A1	192	Reporting_Limit_Type	0004	LOQ	
A1	193	Reporting_Limit_Type	0004	LOQ	
A1	194	Reporting_Limit_Type	0004	LOQ	
A1	195	Reporting_Limit_Type	0004	LOQ	
A1	196	Reporting_Limit_Type	0004	LOQ	
A1	197	Reporting_Limit_Type	0004	LOQ	
A1	198	Reporting_Limit_Type	0004	LOQ	
A1	199	Reporting_Limit_Type	0004	LOQ	
A1	200	Reporting_Limit_Type	0004	LOQ	
A1	201	Reporting_Limit_Type	0004	LOQ	
A1	202	Reporting_Limit_Type	0004	LOQ	
A1	203	Reporting_Limit_Type	0004	LOQ	
A1	204	Reporting_Limit_Type	0004	LOQ	
A1	205	Reporting_Limit_Type	0004	LOQ	
A1	206	Reporting_Limit_Type	0004	LOQ	
A1	207	Reporting_Limit_Type	0004	LOQ	
A1	208	Reporting_Limit_Type	0004	LOQ	
A1	209	Reporting_Limit_Type	0004	LOQ	
A1	210	Reporting_Limit_Type	0004	LOQ	
A1	211	Reporting_Limit_Type	0004	LOQ	
A1	212	Reporting_Limit_Type	0004	LOQ	
A1	213	Reporting_Limit_Type	0004	LOQ	
A1	214	Reporting_Limit_Type	0004	LOQ	
A1	215	Reporting_Limit_Type	0004	LOQ	
A1	216	Reporting_Limit_Type	0004	LOQ	
A1	217	Reporting_Limit_Type	0004	LOQ	

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	218	Reporting_Limit_Type	0004	LOQ		
A1	219	Reporting_Limit_Type	0004	LOQ		
A1	220	Reporting_Limit_Type	0004	LOQ		
A1	221	Reporting_Limit_Type	0004	LOQ		
A1	222	Reporting_Limit_Type	0004	LOQ		
A1	223	Reporting_Limit_Type	0004	LOQ		
A1	224	Reporting_Limit_Type	0004	LOQ		
A1	225	Reporting_Limit_Type	0004	LOQ		
A1	226	Reporting_Limit_Type	0004	LOQ		
A1	227	Reporting_Limit_Type	0004	LOQ		
A1	228	Reporting_Limit_Type	0004	LOQ		
A1	229	Reporting_Limit_Type	0004	LOQ		
A1	230	Reporting_Limit_Type	0004	LOQ		
A1	231	Reporting_Limit_Type	0004	LOQ		
A1	232	Reporting_Limit_Type	0004	LOQ		
A1	233	Reporting_Limit_Type	0004	LOQ		
A1	234	Reporting_Limit_Type	0004	LOQ		
A1	235	Reporting_Limit_Type	0004	LOQ		
A1	236	Reporting_Limit_Type	0004	LOQ		
A1	237	Reporting_Limit_Type	0004	LOQ		
A1	238	Reporting_Limit_Type	0004	LOQ		
A1	239	Reporting_Limit_Type	0004	LOQ		
A1	240	Reporting_Limit_Type	0004	LOQ		
A1	241	Reporting_Limit_Type	0004	LOQ		
A1	242	Reporting_Limit_Type	0004	LOQ		
A1	243	Reporting_Limit_Type	0004	LOQ		
A1	244	Reporting_Limit_Type	0004	LOQ		
A1	245	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type	Description	Lab Comments
A1	246	Reporting_Limit_Type	0004	LOQ	
A1	247	Reporting_Limit_Type	0004	LOQ	
A1	248	Reporting_Limit_Type	0004	LOQ	
A1	249	Reporting_Limit_Type	0004	LOQ	
A1	250	Reporting_Limit_Type	0004	LOQ	
A1	251	Reporting_Limit_Type	0004	LOQ	
A1	252	Reporting_Limit_Type	0004	LOQ	
A1	253	Reporting_Limit_Type	0004	LOQ	
A1	254	Reporting_Limit_Type	0004	LOQ	
A1	255	Reporting_Limit_Type	0004	LOQ	
A1	256	Reporting_Limit_Type	0004	LOQ	
A1	257	Reporting_Limit_Type	0004	LOQ	
A1	258	Reporting_Limit_Type	0004	LOQ	
A1	259	Reporting_Limit_Type	0004	LOQ	
A1	260	Reporting_Limit_Type	0004	LOQ	
A1	261	Reporting_Limit_Type	0004	LOQ	
A1	262	Reporting_Limit_Type	0004	LOQ	
A1	263	Reporting_Limit_Type	0004	LOQ	
A1	264	Reporting_Limit_Type	0004	LOQ	
A1	265	Reporting_Limit_Type	0004	LOQ	
A1	266	Reporting_Limit_Type	0004	LOQ	
A1	267	Reporting_Limit_Type	0004	LOQ	
A1	268	Reporting_Limit_Type	0004	LOQ	
A1	269	Reporting_Limit_Type	0004	LOQ	
A1	270	Reporting_Limit_Type	0004	LOQ	
A1	271	Reporting_Limit_Type	0004	LOQ	
A1	272	Reporting_Limit_Type	0004	LOQ	
A1	273	Reporting_Limit_Type	0004	LOQ	

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	274	Reporting_Limit_Type	0004	LOQ		
A1	275	Reporting_Limit_Type	0004	LOQ		
A1	276	Reporting_Limit_Type	0004	LOQ		
A1	277	Reporting_Limit_Type	0004	LOQ		
A1	278	Reporting_Limit_Type	0004	LOQ		
A1	279	Reporting_Limit_Type	0004	LOQ		
A1	280	Reporting_Limit_Type	0004	LOQ		
A1	281	Reporting_Limit_Type	0004	LOQ		
A1	282	Reporting_Limit_Type	0004	LOQ		
A1	283	Reporting_Limit_Type	0004	LOQ		
A1	284	Reporting_Limit_Type	0004	LOQ		
A1	285	Reporting_Limit_Type	0004	LOQ		
A1	286	Reporting_Limit_Type	0004	LOQ		
A1	287	Reporting_Limit_Type	0004	LOQ		
A1	288	Reporting_Limit_Type	0004	LOQ		
A1	289	Reporting_Limit_Type	0004	LOQ		
A1	290	Reporting_Limit_Type	0004	LOQ		
A1	291	Reporting_Limit_Type	0004	LOQ		
A1	292	Reporting_Limit_Type	0004	LOQ		
A1	293	Reporting_Limit_Type	0004	LOQ		
A1	294	Reporting_Limit_Type	0004	LOQ		
A1	295	Reporting_Limit_Type	0004	LOQ		
A1	296	Reporting_Limit_Type	0004	LOQ		
A1	297	Reporting_Limit_Type	0004	LOQ		
A1	298	Reporting_Limit_Type	0004	LOQ		
A1	299	Reporting_Limit_Type	0004	LOQ		
A1	300	Reporting_Limit_Type	0004	LOQ		
A1	301	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	302	Reporting_Limit_Type	0004	LOQ		
A1	303	Reporting_Limit_Type	0004	LOQ		
A1	304	Reporting_Limit_Type	0004	LOQ		
A1	305	Reporting_Limit_Type	0004	LOQ		
A1	306	Reporting_Limit_Type	0004	LOQ		
A1	307	Reporting_Limit_Type	0004	LOQ		
A1	308	Reporting_Limit_Type	0004	LOQ		
A1	309	Reporting_Limit_Type	0004	LOQ		
A1	310	Reporting_Limit_Type	0004	LOQ		
A1	311	Reporting_Limit_Type	0004	LOQ		
A1	312	Reporting_Limit_Type	0004	LOQ		
A1	313	Reporting_Limit_Type	0004	LOQ		
A1	314	Reporting_Limit_Type	0004	LOQ		
A1	315	Reporting_Limit_Type	0004	LOQ		
A1	316	Reporting_Limit_Type	0004	LOQ		
A1	317	Reporting_Limit_Type	0004	LOQ		
A1	318	Reporting_Limit_Type	0004	LOQ		
A1	319	Reporting_Limit_Type	0004	LOQ		
A1	320	Reporting_Limit_Type	0004	LOQ		
A1	321	Reporting_Limit_Type	0004	LOQ		
A1	322	Reporting_Limit_Type	0004	LOQ		
A1	323	Reporting_Limit_Type	0004	LOQ		
A1	324	Reporting_Limit_Type	0004	LOQ		
A1	325	Reporting_Limit_Type	0004	LOQ		
A1	326	Reporting_Limit_Type	0004	LOQ		
A1	327	Reporting_Limit_Type	0004	LOQ		
A1	328	Reporting_Limit_Type	0004	LOQ		
A1	329	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	330	Reporting_Limit_Type	0004	LOQ		
A1	331	Reporting_Limit_Type	0004	LOQ		
A1	332	Reporting_Limit_Type	0004	LOQ		
A1	333	Reporting_Limit_Type	0004	LOQ		
A1	334	Reporting_Limit_Type	0004	LOQ		
A1	335	Reporting_Limit_Type	0004	LOQ		
A1	336	Reporting_Limit_Type	0004	LOQ		
A1	337	Reporting_Limit_Type	0004	LOQ		
A1	338	Reporting_Limit_Type	0004	LOQ		
A1	339	Reporting_Limit_Type	0004	LOQ		
A1	340	Reporting_Limit_Type	0004	LOQ		
A1	341	Reporting_Limit_Type	0004	LOQ		
A1	342	Reporting_Limit_Type	0004	LOQ		
A1	343	Reporting_Limit_Type	0004	LOQ		
A1	344	Reporting_Limit_Type	0004	LOQ		
A1	345	Reporting_Limit_Type	0004	LOQ		
A1	346	Reporting_Limit_Type	0004	LOQ		
A1	347	Reporting_Limit_Type	0004	LOQ		
A1	348	Reporting_Limit_Type	0004	LOQ		
A1	349	Reporting_Limit_Type	0004	LOQ		
A1	350	Reporting_Limit_Type	0004	LOQ		
A1	351	Reporting_Limit_Type	0004	LOQ		
A1	352	Reporting_Limit_Type	0004	LOQ		
A1	353	Reporting_Limit_Type	0004	LOQ		
A1	354	Reporting_Limit_Type	0004	LOQ		
A1	355	Reporting_Limit_Type	0004	LOQ		
A1	356	Reporting_Limit_Type	0004	LOQ		
A1	357	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	358	Reporting_Limit_Type	0004	LOQ		
A1	359	Reporting_Limit_Type	0004	LOQ		
A1	360	Reporting_Limit_Type	0004	LOQ		
A1	361	Reporting_Limit_Type	0004	LOQ		
A1	362	Reporting_Limit_Type	0004	LOQ		
A1	363	Reporting_Limit_Type	0004	LOQ		
A1	364	Reporting_Limit_Type	0004	LOQ		
A1	365	Reporting_Limit_Type	0004	LOQ		
A1	366	Reporting_Limit_Type	0004	LOQ		
A1	367	Reporting_Limit_Type	0004	LOQ		
A1	368	Reporting_Limit_Type	0004	LOQ		
A1	369	Reporting_Limit_Type	0004	LOQ		
A1	370	Reporting_Limit_Type	0004	LOQ		
A1	371	Reporting_Limit_Type	0004	LOQ		
A1	372	Reporting_Limit_Type	0004	LOQ		
A1	373	Reporting_Limit_Type	0004	LOQ		
A1	374	Reporting_Limit_Type	0004	LOQ		
A1	375	Reporting_Limit_Type	0004	LOQ		
A1	376	Reporting_Limit_Type	0004	LOQ		
A1	377	Reporting_Limit_Type	0004	LOQ		
A1	378	Reporting_Limit_Type	0004	LOQ		
A1	379	Reporting_Limit_Type	0004	LOQ		
A1	380	Reporting_Limit_Type	0004	LOQ		
A1	381	Reporting_Limit_Type	0004	LOQ		
A1	382	Reporting_Limit_Type	0004	LOQ		
A1	383	Reporting_Limit_Type	0004	LOQ		
A1	384	Reporting_Limit_Type	0004	LOQ		
A1	385	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type	Description	Lab Comments
A1	386	Reporting_Limit_Type	0004	LOQ	
A1	387	Reporting_Limit_Type	0004	LOQ	
A1	388	Reporting_Limit_Type	0004	LOQ	
A1	389	Reporting_Limit_Type	0004	LOQ	
A1	390	Reporting_Limit_Type	0004	LOQ	
A1	391	Reporting_Limit_Type	0004	LOQ	
A1	392	Reporting_Limit_Type	0004	LOQ	
A1	393	Reporting_Limit_Type	0004	LOQ	
A1	394	Reporting_Limit_Type	0004	LOQ	
A1	395	Reporting_Limit_Type	0004	LOQ	
A1	396	Reporting_Limit_Type	0004	LOQ	
A1	397	Reporting_Limit_Type	0004	LOQ	
A1	398	Reporting_Limit_Type	0004	LOQ	
A1	399	Reporting_Limit_Type	0004	LOQ	
A1	400	Reporting_Limit_Type	0004	LOQ	
A1	401	Reporting_Limit_Type	0004	LOQ	
A1	402	Reporting_Limit_Type	0004	LOQ	
A1	403	Reporting_Limit_Type	0004	LOQ	
A1	404	Reporting_Limit_Type	0004	LOQ	
A1	405	Reporting_Limit_Type	0004	LOQ	
A1	406	Reporting_Limit_Type	0004	LOQ	
A1	407	Reporting_Limit_Type	0004	LOQ	
A1	408	Reporting_Limit_Type	0004	LOQ	
A1	409	Reporting_Limit_Type	0004	LOQ	
A1	410	Reporting_Limit_Type	0004	LOQ	
A1	411	Reporting_Limit_Type	0004	LOQ	
A1	412	Reporting_Limit_Type	0004	LOQ	
A1	413	Reporting_Limit_Type	0004	LOQ	

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Table	Record	Field	Type		Description	Lab Comments
A1	414	Reporting_Limit_Type	0004	LOQ		
A1	415	Reporting_Limit_Type	0004	LOQ		
A1	416	Reporting_Limit_Type	0004	LOQ		
A1	417	Reporting_Limit_Type	0004	LOQ		
A1	418	Reporting_Limit_Type	0004	LOQ		
A1	419	Reporting_Limit_Type	0004	LOQ		
A1	420	Reporting_Limit_Type	0004	LOQ		
A1	421	Reporting_Limit_Type	0004	LOQ		
A1	422	Reporting_Limit_Type	0004	LOQ		
A1	423	Reporting_Limit_Type	0004	LOQ		
A1	424	Reporting_Limit_Type	0004	LOQ		
A1	425	Reporting_Limit_Type	0004	LOQ		
A1	426	Reporting_Limit_Type	0004	LOQ		
A1	427	Reporting_Limit_Type	0004	LOQ		
A1	428	Reporting_Limit_Type	0004	LOQ		
A1	429	Reporting_Limit_Type	0004	LOQ		
A1	430	Reporting_Limit_Type	0004	LOQ		
A1	431	Reporting_Limit_Type	0004	LOQ		
A1	432	Reporting_Limit_Type	0004	LOQ		
A1	433	Reporting_Limit_Type	0004	LOQ		
A1	434	Reporting_Limit_Type	0004	LOQ		
A1	435	Reporting_Limit_Type	0004	LOQ		
A1	436	Reporting_Limit_Type	0004	LOQ		
A1	437	Reporting_Limit_Type	0004	LOQ		
A1	438	Reporting_Limit_Type	0004	LOQ		
A1	439	Reporting_Limit_Type	0004	LOQ		
A1	440	Reporting_Limit_Type	0004	LOQ		
A1	441	Reporting_Limit_Type	0004	LOQ		

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Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	442	Reporting_Limit_Type	0004	LOQ		
A1	443	Reporting_Limit_Type	0004	LOQ		
A1	444	Reporting_Limit_Type	0004	LOQ		
A1	445	Reporting_Limit_Type	0004	LOQ		
A1	446	Reporting_Limit_Type	0004	LOQ		
A1	447	Reporting_Limit_Type	0004	LOQ		
A1	448	Reporting_Limit_Type	0004	LOQ		
A1	449	Reporting_Limit_Type	0004	LOQ		
A1	450	Reporting_Limit_Type	0004	LOQ		
A1	451	Reporting_Limit_Type	0004	LOQ		
A1	452	Reporting_Limit_Type	0004	LOQ		
A1	453	Reporting_Limit_Type	0004	LOQ		
A1	454	Reporting_Limit_Type	0004	LOQ		
A1	455	Reporting_Limit_Type	0004	LOQ		
A1	456	Reporting_Limit_Type	0004	LOQ		
A1	457	Reporting_Limit_Type	0004	LOQ		
A1	458	Reporting_Limit_Type	0004	LOQ		
A1	459	Reporting_Limit_Type	0004	LOQ		
A1	460	Reporting_Limit_Type	0004	LOQ		
A1	461	Reporting_Limit_Type	0004	LOQ		
A1	462	Reporting_Limit_Type	0004	LOQ		
A1	463	Reporting_Limit_Type	0004	LOQ		
A1	464	Reporting_Limit_Type	0004	LOQ		
A1	465	Reporting_Limit_Type	0004	LOQ		
A1	466	Reporting_Limit_Type	0004	LOQ		
A1	467	Reporting_Limit_Type	0004	LOQ		
A1	468	Reporting_Limit_Type	0004	LOQ		
A1	469	Reporting_Limit_Type	0004	LOQ		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08 | **Laboratory: TA CAN**

Library Description: Per DoD QSM V3 January 2006 | **Report Date: 11/7/2012 17:07**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	470	Reporting_Limit_Type	0004	LOQ		
A1	471	Reporting_Limit_Type	0004	LOQ		
A1	472	Reporting_Limit_Type	0004	LOQ		
A1	473	Reporting_Limit_Type	0004	LOQ		
A1	474	Reporting_Limit_Type	0004	LOQ		
A1	475	Reporting_Limit_Type	0004	LOQ		
A1	476	Reporting_Limit_Type	0004	LOQ		
A1	477	Reporting_Limit_Type	0004	LOQ		
A1	478	Reporting_Limit_Type	0004	LOQ		
A1	479	Reporting_Limit_Type	0004	LOQ		
A1	480	Reporting_Limit_Type	0004	LOQ		
A1	481	Reporting_Limit_Type	0004	LOQ		
A1	482	Reporting_Limit_Type	0004	LOQ		
A1	483	Reporting_Limit_Type	0004	LOQ		
A1	484	Reporting_Limit_Type	0004	LOQ		
A1	485	Reporting_Limit_Type	0004	LOQ		
A1	486	Reporting_Limit_Type	0004	LOQ		
A1	487	Reporting_Limit_Type	0004	LOQ		
A1	488	Reporting_Limit_Type	0004	LOQ		
A1	489	Reporting_Limit_Type	0004	LOQ		
A1	490	Reporting_Limit_Type	0004	LOQ		
A1	491	Reporting_Limit_Type	0004	LOQ		
A1	492	Reporting_Limit_Type	0004	LOQ		
A1	493	Reporting_Limit_Type	0004	LOQ		
A1	494	Reporting_Limit_Type	0004	LOQ		
A1	495	Reporting_Limit_Type	0004	LOQ		
A1	496	Reporting_Limit_Type	0004	LOQ		
A1	497	Reporting_Limit_Type	0004	LOQ		

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Project Library: RVAAP_PB08 **Laboratory: TA CAN**

Library Description: Per DoD QSM V3 January 2006 **Report Date: 11/7/2012 17:07**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	498	Reporting_Limit_Type	0004	LOQ		
A1	499	Reporting_Limit_Type	0004	LOQ		
A1	500	Reporting_Limit_Type	0004	LOQ		
A1	501	Reporting_Limit_Type	0004	LOQ		
A1	502	Reporting_Limit_Type	0004	LOQ		
A1	503	Reporting_Limit_Type	0004	LOQ		
A1	504	Reporting_Limit_Type	0004	LOQ		
A1	505	Reporting_Limit_Type	0004	LOQ		
A1	506	Reporting_Limit_Type	0004	LOQ		
A1	507	Reporting_Limit_Type	0004	LOQ		
A1	508	Reporting_Limit_Type	0004	LOQ		
A1	509	Reporting_Limit_Type	0004	LOQ		
A1	510	Reporting_Limit_Type	0004	LOQ		
A1	511	Reporting_Limit_Type	0004	LOQ		
A1	512	Reporting_Limit_Type	0004	LOQ		
A1	513	Reporting_Limit_Type	0004	LOQ		
A1	514	Reporting_Limit_Type	0004	LOQ		
A1	515	Reporting_Limit_Type	0004	LOQ		
A1	516	Reporting_Limit_Type	0004	LOQ		
A1	517	Reporting_Limit_Type	0004	LOQ		
A1	518	Reporting_Limit_Type	0004	LOQ		
A1	519	Reporting_Limit_Type	0004	LOQ		
A1	520	Reporting_Limit_Type	0004	LOQ		
A1	521	Reporting_Limit_Type	0004	LOQ		
A1	522	Reporting_Limit_Type	0004	LOQ		
A1	523	Reporting_Limit_Type	0004	LOQ		
A1	524	Reporting_Limit_Type	0004	LOQ		
A1	525	Reporting_Limit_Type	0004	LOQ		

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Project Library: RVAAP_PB08 **Laboratory: TA CAN**

Library Description: Per DoD QSM V3 January 2006 **Report Date: 11/7/2012 17:07**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	526	Reporting_Limit_Type	0004	LOQ		
A1	527	Reporting_Limit_Type	0004	LOQ		
A1	528	Reporting_Limit_Type	0004	LOQ		
A1	529	Reporting_Limit_Type	0004	LOQ		
A1	530	Reporting_Limit_Type	0004	LOQ		
A1	531	Reporting_Limit_Type	0004	LOQ		
A1	532	Reporting_Limit_Type	0004	LOQ		
A1	533	Reporting_Limit_Type	0004	LOQ		
A1	534	Reporting_Limit_Type	0004	LOQ		
A1	535	Reporting_Limit_Type	0004	LOQ		
A1	536	Reporting_Limit_Type	0004	LOQ		
A1	537	Reporting_Limit_Type	0004	LOQ		
A1	538	Reporting_Limit_Type	0004	LOQ		
A1	539	Reporting_Limit_Type	0004	LOQ		
A1	540	Reporting_Limit_Type	0004	LOQ		
A1	541	Reporting_Limit_Type	0004	LOQ		
A1	542	Reporting_Limit_Type	0004	LOQ		
A1	543	Reporting_Limit_Type	0004	LOQ		
A1	544	Reporting_Limit_Type	0004	LOQ		
A1	545	Reporting_Limit_Type	0004	LOQ		
A1	546	Reporting_Limit_Type	0004	LOQ		
A1	547	Reporting_Limit_Type	0004	LOQ		
A1	548	Reporting_Limit_Type	0004	LOQ		
A1	549	Reporting_Limit_Type	0004	LOQ		
A1	550	Reporting_Limit_Type	0004	LOQ		
A1	551	Reporting_Limit_Type	0004	LOQ		
A1	552	Reporting_Limit_Type	0004	LOQ		
A1	553	Reporting_Limit_Type	0004	LOQ		

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Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	554	Reporting_Limit_Type	0004	LOQ	
A1	555	Reporting_Limit_Type	0004	LOQ	
A1	556	Reporting_Limit_Type	0004	LOQ	
A1	557	Reporting_Limit_Type	0004	LOQ	
A1	558	Reporting_Limit_Type	0004	LOQ	
A1	559	Reporting_Limit_Type	0004	LOQ	
A1	560	Reporting_Limit_Type	0004	LOQ	
A1	561	Reporting_Limit_Type	0004	LOQ	
A1	562	Reporting_Limit_Type	0004	LOQ	
A1	563	Reporting_Limit_Type	0004	LOQ	
A1	564	Reporting_Limit_Type	0004	LOQ	
A1	565	Reporting_Limit_Type	0004	LOQ	
A1	566	Reporting_Limit_Type	0004	LOQ	
A1	567	Reporting_Limit_Type	0004	LOQ	
A1	568	Reporting_Limit_Type	0004	LOQ	
A1	569	Reporting_Limit_Type	0004	LOQ	
A1	570	Reporting_Limit_Type	0004	LOQ	
A1	571	Reporting_Limit_Type	0004	LOQ	
A1	572	Reporting_Limit_Type	0004	LOQ	
A1	573	Reporting_Limit_Type	0004	LOQ	
A1	574	Reporting_Limit_Type	0004	LOQ	
A1	575	Reporting_Limit_Type	0004	LOQ	
A1	576	Reporting_Limit_Type	0004	LOQ	
A1	577	Reporting_Limit_Type	0004	LOQ	
A1	578	Reporting_Limit_Type	0004	LOQ	
A1	579	Reporting_Limit_Type	0004	LOQ	
A1	580	Reporting_Limit_Type	0004	LOQ	
A1	581	Reporting_Limit_Type	0004	LOQ	

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Table	Record	Field	Type		Description	Lab Comments
A1	582	Reporting_Limit_Type	0004	LOQ		
A1	583	Reporting_Limit_Type	0004	LOQ		
A1	584	Reporting_Limit_Type	0004	LOQ		
A1	585	Reporting_Limit_Type	0004	LOQ		
A1	586	Reporting_Limit_Type	0004	LOQ		
A1	587	Reporting_Limit_Type	0004	LOQ		
A1	588	Reporting_Limit_Type	0004	LOQ		
A1	589	Reporting_Limit_Type	0004	LOQ		
A1	590	Reporting_Limit_Type	0004	LOQ		
A1	591	Reporting_Limit_Type	0004	LOQ		
A1	592	Reporting_Limit_Type	0004	LOQ		
A1	593	Reporting_Limit_Type	0004	LOQ		
A1	594	Reporting_Limit_Type	0004	LOQ		
A1	595	Reporting_Limit_Type	0004	LOQ		
A1	596	Reporting_Limit_Type	0004	LOQ		
A1	597	Reporting_Limit_Type	0004	LOQ		
A1	598	Reporting_Limit_Type	0004	LOQ		
A1	599	Reporting_Limit_Type	0004	LOQ		
A1	600	Reporting_Limit_Type	0004	LOQ		
A1	601	Reporting_Limit_Type	0004	LOQ		
A1	602	Reporting_Limit_Type	0004	LOQ		
A1	603	Reporting_Limit_Type	0004	LOQ		
A1	604	Reporting_Limit_Type	0004	LOQ		
A1	605	Reporting_Limit_Type	0004	LOQ		
A1	606	Reporting_Limit_Type	0004	LOQ		
A1	607	Reporting_Limit_Type	0004	LOQ		
A1	608	Reporting_Limit_Type	0004	LOQ		
A1	609	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	610	Reporting_Limit_Type	0004	LOQ		
A1	611	Reporting_Limit_Type	0004	LOQ		
A1	612	Reporting_Limit_Type	0004	LOQ		
A1	613	Reporting_Limit_Type	0004	LOQ		
A1	614	Reporting_Limit_Type	0004	LOQ		
A1	615	Reporting_Limit_Type	0004	LOQ		
A1	616	Reporting_Limit_Type	0004	LOQ		
A1	617	Reporting_Limit_Type	0004	LOQ		
A1	618	Reporting_Limit_Type	0004	LOQ		
A1	619	Reporting_Limit_Type	0004	LOQ		
A1	620	Reporting_Limit_Type	0004	LOQ		
A1	621	Reporting_Limit_Type	0004	LOQ		
A1	622	Reporting_Limit_Type	0004	LOQ		
A1	623	Reporting_Limit_Type	0004	LOQ		
A1	624	Reporting_Limit_Type	0004	LOQ		
A1	625	Reporting_Limit_Type	0004	LOQ		
A1	626	Reporting_Limit_Type	0004	LOQ		
A1	627	Reporting_Limit_Type	0004	LOQ		
A1	628	Reporting_Limit_Type	0004	LOQ		
A1	629	Reporting_Limit_Type	0004	LOQ		
A1	630	Reporting_Limit_Type	0004	LOQ		
A1	631	Reporting_Limit_Type	0004	LOQ		
A1	632	Reporting_Limit_Type	0004	LOQ		
A1	633	Reporting_Limit_Type	0004	LOQ		
A1	634	Reporting_Limit_Type	0004	LOQ		
A1	635	Reporting_Limit_Type	0004	LOQ		
A1	636	Reporting_Limit_Type	0004	LOQ		
A1	637	Reporting_Limit_Type	0004	LOQ		

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	638	Reporting_Limit_Type	0004	LOQ		
A1	639	Reporting_Limit_Type	0004	LOQ		
A1	640	Reporting_Limit_Type	0004	LOQ		
A1	641	Reporting_Limit_Type	0004	LOQ		
A1	642	Reporting_Limit_Type	0004	LOQ		
A1	643	Reporting_Limit_Type	0004	LOQ		
A1	644	Reporting_Limit_Type	0004	LOQ		
A1	645	Reporting_Limit_Type	0004	LOQ		
A1	646	Reporting_Limit_Type	0004	LOQ		
A1	647	Reporting_Limit_Type	0004	LOQ		
A1	648	Reporting_Limit_Type	0004	LOQ		
A1	649	Reporting_Limit_Type	0004	LOQ		
A1	650	Reporting_Limit_Type	0004	LOQ		
A1	651	Reporting_Limit_Type	0004	LOQ		
A1	652	Reporting_Limit_Type	0004	LOQ		
A1	653	Reporting_Limit_Type	0004	LOQ		
A1	654	Reporting_Limit_Type	0004	LOQ		
A1	655	Reporting_Limit_Type	0004	LOQ		
A1	656	Reporting_Limit_Type	0004	LOQ		
A1	657	Reporting_Limit_Type	0004	LOQ		
A1	658	Reporting_Limit_Type	0004	LOQ		
A1	659	Reporting_Limit_Type	0004	LOQ		
A1	660	Reporting_Limit_Type	0004	LOQ		
A1	661	Reporting_Limit_Type	0004	LOQ		
A1	662	Reporting_Limit_Type	0004	LOQ		
A1	663	Reporting_Limit_Type	0004	LOQ		
A1	664	Reporting_Limit_Type	0004	LOQ		
A1	665	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	666	Reporting_Limit_Type	0004	LOQ		
A1	667	Reporting_Limit_Type	0004	LOQ		
A1	668	Reporting_Limit_Type	0004	LOQ		
A1	669	Reporting_Limit_Type	0004	LOQ		
A1	670	Reporting_Limit_Type	0004	LOQ		
A1	671	Reporting_Limit_Type	0004	LOQ		
A1	672	Reporting_Limit_Type	0004	LOQ		
A1	673	Reporting_Limit_Type	0004	LOQ		
A1	674	Reporting_Limit_Type	0004	LOQ		
A1	675	Reporting_Limit_Type	0004	LOQ		
A1	676	Reporting_Limit_Type	0004	LOQ		
A1	677	Reporting_Limit_Type	0004	LOQ		
A1	678	Reporting_Limit_Type	0004	LOQ		
A1	679	Reporting_Limit_Type	0004	LOQ		
A1	680	Reporting_Limit_Type	0004	LOQ		
A1	681	Reporting_Limit_Type	0004	LOQ		
A1	682	Reporting_Limit_Type	0004	LOQ		
A1	683	Reporting_Limit_Type	0004	LOQ		
A1	684	Reporting_Limit_Type	0004	LOQ		
A1	685	Reporting_Limit_Type	0004	LOQ		
A1	686	Reporting_Limit_Type	0004	LOQ		
A1	687	Reporting_Limit_Type	0004	LOQ		
A1	688	Reporting_Limit_Type	0004	LOQ		
A1	689	Reporting_Limit_Type	0004	LOQ		
A1	690	Reporting_Limit_Type	0004	LOQ		
A1	691	Reporting_Limit_Type	0004	LOQ		
A1	692	Reporting_Limit_Type	0004	LOQ		
A1	693	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	694	Reporting_Limit_Type	0004	LOQ		
A1	695	Reporting_Limit_Type	0004	LOQ		
A1	696	Reporting_Limit_Type	0004	LOQ		
A1	697	Reporting_Limit_Type	0004	LOQ		
A1	698	Reporting_Limit_Type	0004	LOQ		
A1	699	Reporting_Limit_Type	0004	LOQ		
A1	700	Reporting_Limit_Type	0004	LOQ		
A1	701	Reporting_Limit_Type	0004	LOQ		
A1	702	Reporting_Limit_Type	0004	LOQ		
A1	703	Reporting_Limit_Type	0004	LOQ		
A1	704	Reporting_Limit_Type	0004	LOQ		
A1	705	Reporting_Limit_Type	0004	LOQ		
A1	706	Reporting_Limit_Type	0004	LOQ		
A1	707	Reporting_Limit_Type	0004	LOQ		
A1	708	Reporting_Limit_Type	0004	LOQ		
A1	709	Reporting_Limit_Type	0004	LOQ		
A1	710	Reporting_Limit_Type	0004	LOQ		
A1	711	Reporting_Limit_Type	0004	LOQ		
A1	712	Reporting_Limit_Type	0004	LOQ		
A1	713	Reporting_Limit_Type	0004	LOQ		
A1	714	Reporting_Limit_Type	0004	LOQ		
A1	715	Reporting_Limit_Type	0004	LOQ		
A1	716	Reporting_Limit_Type	0004	LOQ		
A1	717	Reporting_Limit_Type	0004	LOQ		
A1	718	Reporting_Limit_Type	0004	LOQ		
A1	719	Reporting_Limit_Type	0004	LOQ		
A1	720	Reporting_Limit_Type	0004	LOQ		
A1	721	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	722	Reporting_Limit_Type	0004	LOQ		
A1	723	Reporting_Limit_Type	0004	LOQ		
A1	724	Reporting_Limit_Type	0004	LOQ		
A1	725	Reporting_Limit_Type	0004	LOQ		
A1	726	Reporting_Limit_Type	0004	LOQ		
A1	727	Reporting_Limit_Type	0004	LOQ		
A1	728	Reporting_Limit_Type	0004	LOQ		
A1	729	Reporting_Limit_Type	0004	LOQ		
A1	730	Reporting_Limit_Type	0004	LOQ		
A1	731	Reporting_Limit_Type	0004	LOQ		
A1	732	Reporting_Limit_Type	0004	LOQ		
A1	733	Reporting_Limit_Type	0004	LOQ		
A1	734	Reporting_Limit_Type	0004	LOQ		
A1	735	Reporting_Limit_Type	0004	LOQ		
A1	736	Reporting_Limit_Type	0004	LOQ		
A1	737	Reporting_Limit_Type	0004	LOQ		
A1	738	Reporting_Limit_Type	0004	LOQ		
A1	739	Reporting_Limit_Type	0004	LOQ		
A1	740	Reporting_Limit_Type	0004	LOQ		
A1	741	Reporting_Limit_Type	0004	LOQ		
A1	742	Reporting_Limit_Type	0004	LOQ		
A1	743	Reporting_Limit_Type	0004	LOQ		
A1	744	Reporting_Limit_Type	0004	LOQ		
A1	745	Reporting_Limit_Type	0004	LOQ		
A1	746	Reporting_Limit_Type	0004	LOQ		
A1	747	Reporting_Limit_Type	0004	LOQ		
A1	748	Reporting_Limit_Type	0004	LOQ		
A1	749	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	750	Reporting_Limit_Type	0004	LOQ		
A1	751	Reporting_Limit_Type	0004	LOQ		
A1	752	Reporting_Limit_Type	0004	LOQ		
A1	753	Reporting_Limit_Type	0004	LOQ		
A1	754	Reporting_Limit_Type	0004	LOQ		
A1	755	Reporting_Limit_Type	0004	LOQ		
A1	756	Reporting_Limit_Type	0004	LOQ		
A1	757	Reporting_Limit_Type	0004	LOQ		
A1	758	Reporting_Limit_Type	0004	LOQ		
A1	759	Reporting_Limit_Type	0004	LOQ		
A1	760	Reporting_Limit_Type	0004	LOQ		
A1	761	Reporting_Limit_Type	0004	LOQ		
A1	762	Reporting_Limit_Type	0004	LOQ		
A1	763	Reporting_Limit_Type	0004	LOQ		
A1	764	Reporting_Limit_Type	0004	LOQ		
A1	765	Reporting_Limit_Type	0004	LOQ		
A1	766	Reporting_Limit_Type	0004	LOQ		
A1	767	Reporting_Limit_Type	0004	LOQ		
A1	768	Reporting_Limit_Type	0004	LOQ		
A1	769	Reporting_Limit_Type	0004	LOQ		
A1	770	Reporting_Limit_Type	0004	LOQ		
A1	771	Reporting_Limit_Type	0004	LOQ		
A1	772	Reporting_Limit_Type	0004	LOQ		
A1	773	Reporting_Limit_Type	0004	LOQ		
A1	774	Reporting_Limit_Type	0004	LOQ		
A1	775	Reporting_Limit_Type	0004	LOQ		
A1	776	Reporting_Limit_Type	0004	LOQ		
A1	777	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	778	Reporting_Limit_Type	0004	LOQ		
A1	779	Reporting_Limit_Type	0004	LOQ		
A1	780	Reporting_Limit_Type	0004	LOQ		
A1	781	Reporting_Limit_Type	0004	LOQ		
A1	782	Reporting_Limit_Type	0004	LOQ		
A1	783	Reporting_Limit_Type	0004	LOQ		
A1	784	Reporting_Limit_Type	0004	LOQ		
A1	785	Reporting_Limit_Type	0004	LOQ		
A1	786	Reporting_Limit_Type	0004	LOQ		
A1	787	Reporting_Limit_Type	0004	LOQ		
A1	788	Reporting_Limit_Type	0004	LOQ		
A1	789	Reporting_Limit_Type	0004	LOQ		
A1	790	Reporting_Limit_Type	0004	LOQ		
A1	791	Reporting_Limit_Type	0004	LOQ		
A1	792	Reporting_Limit_Type	0004	LOQ		
A1	793	Reporting_Limit_Type	0004	LOQ		
A1	794	Reporting_Limit_Type	0004	LOQ		
A1	795	Reporting_Limit_Type	0004	LOQ		
A1	796	Reporting_Limit_Type	0004	LOQ		
A1	797	Reporting_Limit_Type	0004	LOQ		
A1	798	Reporting_Limit_Type	0004	LOQ		
A1	799	Reporting_Limit_Type	0004	LOQ		
A1	800	Reporting_Limit_Type	0004	LOQ		
A1	801	Reporting_Limit_Type	0004	LOQ		
A1	802	Reporting_Limit_Type	0004	LOQ		
A1	803	Reporting_Limit_Type	0004	LOQ		
A1	804	Reporting_Limit_Type	0004	LOQ		
A1	805	Reporting_Limit_Type	0004	LOQ		

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Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	806	Reporting_Limit_Type	0004	LOQ		
A1	807	Reporting_Limit_Type	0004	LOQ		
A1	808	Reporting_Limit_Type	0004	LOQ		
A1	809	Reporting_Limit_Type	0004	LOQ		
A1	810	Reporting_Limit_Type	0004	LOQ		
A1	811	Reporting_Limit_Type	0004	LOQ		
A1	812	Reporting_Limit_Type	0004	LOQ		
A1	813	Reporting_Limit_Type	0004	LOQ		
A1	814	Reporting_Limit_Type	0004	LOQ		
A1	815	Reporting_Limit_Type	0004	LOQ		
A1	816	Reporting_Limit_Type	0004	LOQ		
A1	817	Reporting_Limit_Type	0004	LOQ		
A1	818	Reporting_Limit_Type	0004	LOQ		
A1	819	Reporting_Limit_Type	0004	LOQ		
A1	820	Reporting_Limit_Type	0004	LOQ		
A1	821	Reporting_Limit_Type	0004	LOQ		
A1	822	Reporting_Limit_Type	0004	LOQ		
A1	823	Reporting_Limit_Type	0004	LOQ		
A1	824	Reporting_Limit_Type	0004	LOQ		
A1	825	Reporting_Limit_Type	0004	LOQ		
A1	826	Reporting_Limit_Type	0004	LOQ		
A1	827	Reporting_Limit_Type	0004	LOQ		
A1	828	Reporting_Limit_Type	0004	LOQ		
A1	829	Reporting_Limit_Type	0004	LOQ		
A1	830	Reporting_Limit_Type	0004	LOQ		
A1	831	Reporting_Limit_Type	0004	LOQ		
A1	832	Reporting_Limit_Type	0004	LOQ		
A1	833	Reporting_Limit_Type	0004	LOQ		

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Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	834	Reporting_Limit_Type	0004	LOQ		
A1	835	Reporting_Limit_Type	0004	LOQ		
A1	836	Reporting_Limit_Type	0004	LOQ		
A1	837	Reporting_Limit_Type	0004	LOQ		
A1	838	Reporting_Limit_Type	0004	LOQ		
A1	839	Reporting_Limit_Type	0004	LOQ		
A1	840	Reporting_Limit_Type	0004	LOQ		
A1	841	Reporting_Limit_Type	0004	LOQ		
A1	842	Reporting_Limit_Type	0004	LOQ		
A1	843	Reporting_Limit_Type	0004	LOQ		
A1	844	Reporting_Limit_Type	0004	LOQ		
A1	845	Reporting_Limit_Type	0004	LOQ		
A1	846	Reporting_Limit_Type	0004	LOQ		
A1	847	Reporting_Limit_Type	0004	LOQ		
A1	848	Reporting_Limit_Type	0004	LOQ		
A1	849	Reporting_Limit_Type	0004	LOQ		
A1	850	Reporting_Limit_Type	0004	LOQ		
A1	851	Reporting_Limit_Type	0004	LOQ		
A1	852	Reporting_Limit_Type	0004	LOQ		
A1	853	Reporting_Limit_Type	0004	LOQ		
A1	854	Reporting_Limit_Type	0004	LOQ		
A1	855	Reporting_Limit_Type	0004	LOQ		
A1	856	Reporting_Limit_Type	0004	LOQ		
A1	857	Reporting_Limit_Type	0004	LOQ		
A1	858	Reporting_Limit_Type	0004	LOQ		
A1	859	Reporting_Limit_Type	0004	LOQ		
A1	860	Reporting_Limit_Type	0004	LOQ		
A1	861	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	862	Reporting_Limit_Type	0004	LOQ		
A1	863	Reporting_Limit_Type	0004	LOQ		
A1	864	Reporting_Limit_Type	0004	LOQ		
A1	865	Reporting_Limit_Type	0004	LOQ		
A1	866	Reporting_Limit_Type	0004	LOQ		
A1	867	Reporting_Limit_Type	0004	LOQ		
A1	868	Reporting_Limit_Type	0004	LOQ		
A1	869	Reporting_Limit_Type	0004	LOQ		
A1	870	Reporting_Limit_Type	0004	LOQ		
A1	871	Reporting_Limit_Type	0004	LOQ		
A1	872	Reporting_Limit_Type	0004	LOQ		
A1	873	Reporting_Limit_Type	0004	LOQ		
A1	874	Reporting_Limit_Type	0004	LOQ		
A1	875	Reporting_Limit_Type	0004	LOQ		
A1	876	Reporting_Limit_Type	0004	LOQ		
A1	877	Reporting_Limit_Type	0004	LOQ		
A1	878	Reporting_Limit_Type	0004	LOQ		
A1	879	Reporting_Limit_Type	0004	LOQ		
A1	880	Reporting_Limit_Type	0004	LOQ		
A1	881	Reporting_Limit_Type	0004	LOQ		
A1	882	Reporting_Limit_Type	0004	LOQ		
A1	883	Reporting_Limit_Type	0004	LOQ		
A1	884	Reporting_Limit_Type	0004	LOQ		
A1	885	Reporting_Limit_Type	0004	LOQ		
A1	886	Reporting_Limit_Type	0004	LOQ		
A1	887	Reporting_Limit_Type	0004	LOQ		
A1	888	Reporting_Limit_Type	0004	LOQ		
A1	889	Reporting_Limit_Type	0004	LOQ		

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	890	Reporting_Limit_Type	0004	LOQ		
A1	891	Reporting_Limit_Type	0004	LOQ		
A1	892	Reporting_Limit_Type	0004	LOQ		
A1	893	Reporting_Limit_Type	0004	LOQ		
A1	894	Reporting_Limit_Type	0004	LOQ		
A1	895	Reporting_Limit_Type	0004	LOQ		
A1	896	Reporting_Limit_Type	0004	LOQ		
A1	897	Reporting_Limit_Type	0004	LOQ		
A1	898	Reporting_Limit_Type	0004	LOQ		
A1	899	Reporting_Limit_Type	0004	LOQ		
A1	900	Reporting_Limit_Type	0004	LOQ		
A1	901	Reporting_Limit_Type	0004	LOQ		
A1	902	Reporting_Limit_Type	0004	LOQ		
A1	903	Reporting_Limit_Type	0004	LOQ		
A1	904	Reporting_Limit_Type	0004	LOQ		
A1	905	Reporting_Limit_Type	0004	LOQ		
A1	906	Reporting_Limit_Type	0004	LOQ		
A1	907	Reporting_Limit_Type	0004	LOQ		
A1	908	Reporting_Limit_Type	0004	LOQ		
A1	909	Reporting_Limit_Type	0004	LOQ		
A1	910	Reporting_Limit_Type	0004	LOQ		
A1	911	Reporting_Limit_Type	0004	LOQ		
A1	912	Reporting_Limit_Type	0004	LOQ		
A1	913	Reporting_Limit_Type	0004	LOQ		
A1	914	Reporting_Limit_Type	0004	LOQ		
A1	915	Reporting_Limit_Type	0004	LOQ		
A1	916	Reporting_Limit_Type	0004	LOQ		
A1	917	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	918	Reporting_Limit_Type	0004	LOQ		
A1	919	Reporting_Limit_Type	0004	LOQ		
A1	920	Reporting_Limit_Type	0004	LOQ		
A1	921	Reporting_Limit_Type	0004	LOQ		
A1	922	Reporting_Limit_Type	0004	LOQ		
A1	923	Reporting_Limit_Type	0004	LOQ		
A1	924	Reporting_Limit_Type	0004	LOQ		
A1	925	Reporting_Limit_Type	0004	LOQ		
A1	926	Reporting_Limit_Type	0004	LOQ		
A1	927	Reporting_Limit_Type	0004	LOQ		
A1	928	Reporting_Limit_Type	0004	LOQ		
A1	929	Reporting_Limit_Type	0004	LOQ		
A1	930	Reporting_Limit_Type	0004	LOQ		
A1	931	Reporting_Limit_Type	0004	LOQ		
A1	932	Reporting_Limit_Type	0004	LOQ		
A1	933	Reporting_Limit_Type	0004	LOQ		
A1	934	Reporting_Limit_Type	0004	LOQ		
A1	935	Reporting_Limit_Type	0004	LOQ		
A1	936	Reporting_Limit_Type	0004	LOQ		
A1	937	Reporting_Limit_Type	0004	LOQ		
A1	938	Reporting_Limit_Type	0004	LOQ		
A1	939	Reporting_Limit_Type	0004	LOQ		
A1	940	Reporting_Limit_Type	0004	LOQ		
A1	941	Reporting_Limit_Type	0004	LOQ		
A1	942	Reporting_Limit_Type	0004	LOQ		
A1	943	Reporting_Limit_Type	0004	LOQ		
A1	944	Reporting_Limit_Type	0004	LOQ		
A1	945	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type	Description	Lab Comments
A1	946	Reporting_Limit_Type	0004	LOQ	
A1	947	Reporting_Limit_Type	0004	LOQ	
A1	948	Reporting_Limit_Type	0004	LOQ	
A1	949	Reporting_Limit_Type	0004	LOQ	
A1	950	Reporting_Limit_Type	0004	LOQ	
A1	951	Reporting_Limit_Type	0004	LOQ	
A1	952	Reporting_Limit_Type	0004	LOQ	
A1	953	Reporting_Limit_Type	0004	LOQ	
A1	954	Reporting_Limit_Type	0004	LOQ	
A1	955	Reporting_Limit_Type	0004	LOQ	
A1	956	Reporting_Limit_Type	0004	LOQ	
A1	957	Reporting_Limit_Type	0004	LOQ	
A1	958	Reporting_Limit_Type	0004	LOQ	
A1	959	Reporting_Limit_Type	0004	LOQ	
A1	960	Reporting_Limit_Type	0004	LOQ	
A1	961	Reporting_Limit_Type	0004	LOQ	
A1	962	Reporting_Limit_Type	0004	LOQ	
A1	963	Reporting_Limit_Type	0004	LOQ	
A1	964	Reporting_Limit_Type	0004	LOQ	
A1	965	Reporting_Limit_Type	0004	LOQ	
A1	966	Reporting_Limit_Type	0004	LOQ	
A1	967	Reporting_Limit_Type	0004	LOQ	
A1	968	Reporting_Limit_Type	0004	LOQ	
A1	969	Reporting_Limit_Type	0004	LOQ	
A1	970	Reporting_Limit_Type	0004	LOQ	
A1	971	Reporting_Limit_Type	0004	LOQ	
A1	972	Reporting_Limit_Type	0004	LOQ	
A1	973	Reporting_Limit_Type	0004	LOQ	

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Table	Record	Field	Type		Description	Lab Comments
A1	974	Reporting_Limit_Type	0004	LOQ		
A1	975	Reporting_Limit_Type	0004	LOQ		
A1	976	Reporting_Limit_Type	0004	LOQ		
A1	977	Reporting_Limit_Type	0004	LOQ		
A1	978	Reporting_Limit_Type	0004	LOQ		
A1	979	Reporting_Limit_Type	0004	LOQ		
A1	980	Reporting_Limit_Type	0004	LOQ		
A1	981	Reporting_Limit_Type	0004	LOQ		
A1	982	Reporting_Limit_Type	0004	LOQ		
A1	983	Reporting_Limit_Type	0004	LOQ		
A1	984	Reporting_Limit_Type	0004	LOQ		
A1	985	Reporting_Limit_Type	0004	LOQ		
A1	986	Reporting_Limit_Type	0004	LOQ		
A1	987	Reporting_Limit_Type	0004	LOQ		
A1	988	Reporting_Limit_Type	0004	LOQ		
A1	989	Reporting_Limit_Type	0004	LOQ		
A1	990	Reporting_Limit_Type	0004	LOQ		
A1	991	Reporting_Limit_Type	0004	LOQ		
A1	992	Reporting_Limit_Type	0004	LOQ		
A1	993	Reporting_Limit_Type	0004	LOQ		
A1	994	Reporting_Limit_Type	0004	LOQ		
A1	995	Reporting_Limit_Type	0004	LOQ		
A1	996	Reporting_Limit_Type	0004	LOQ		
A1	997	Reporting_Limit_Type	0004	LOQ		
A1	998	Reporting_Limit_Type	0004	LOQ		
A1	999	Reporting_Limit_Type	0004	LOQ		
A1	1000	Reporting_Limit_Type	0004	LOQ		
A1	1001	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1002	Reporting_Limit_Type	0004	LOQ		
A1	1003	Reporting_Limit_Type	0004	LOQ		
A1	1004	Reporting_Limit_Type	0004	LOQ		
A1	1005	Reporting_Limit_Type	0004	LOQ		
A1	1006	Reporting_Limit_Type	0004	LOQ		
A1	1007	Reporting_Limit_Type	0004	LOQ		
A1	1008	Reporting_Limit_Type	0004	LOQ		
A1	1009	Reporting_Limit_Type	0004	LOQ		
A1	1010	Reporting_Limit_Type	0004	LOQ		
A1	1011	Reporting_Limit_Type	0004	LOQ		
A1	1012	Reporting_Limit_Type	0004	LOQ		
A1	1013	Reporting_Limit_Type	0004	LOQ		
A1	1014	Reporting_Limit_Type	0004	LOQ		
A1	1015	Reporting_Limit_Type	0004	LOQ		
A1	1016	Reporting_Limit_Type	0004	LOQ		
A1	1017	Reporting_Limit_Type	0004	LOQ		
A1	1018	Reporting_Limit_Type	0004	LOQ		
A1	1019	Reporting_Limit_Type	0004	LOQ		
A1	1020	Reporting_Limit_Type	0004	LOQ		
A1	1021	Reporting_Limit_Type	0004	LOQ		
A1	1022	Reporting_Limit_Type	0004	LOQ		
A1	1023	Reporting_Limit_Type	0004	LOQ		
A1	1024	Reporting_Limit_Type	0004	LOQ		
A1	1025	Reporting_Limit_Type	0004	LOQ		
A1	1026	Reporting_Limit_Type	0004	LOQ		
A1	1027	Reporting_Limit_Type	0004	LOQ		
A1	1028	Reporting_Limit_Type	0004	LOQ		
A1	1029	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1030	Reporting_Limit_Type	0004	LOQ		
A1	1031	Reporting_Limit_Type	0004	LOQ		
A1	1032	Reporting_Limit_Type	0004	LOQ		
A1	1033	Reporting_Limit_Type	0004	LOQ		
A1	1034	Reporting_Limit_Type	0004	LOQ		
A1	1035	Reporting_Limit_Type	0004	LOQ		
A1	1036	Reporting_Limit_Type	0004	LOQ		
A1	1037	Reporting_Limit_Type	0004	LOQ		
A1	1038	Reporting_Limit_Type	0004	LOQ		
A1	1039	Reporting_Limit_Type	0004	LOQ		
A1	1040	Reporting_Limit_Type	0004	LOQ		
A1	1041	Reporting_Limit_Type	0004	LOQ		
A1	1042	Reporting_Limit_Type	0004	LOQ		
A1	1043	Reporting_Limit_Type	0004	LOQ		
A1	1044	Reporting_Limit_Type	0004	LOQ		
A1	1045	Reporting_Limit_Type	0004	LOQ		
A1	1046	Reporting_Limit_Type	0004	LOQ		
A1	1047	Reporting_Limit_Type	0004	LOQ		
A1	1048	Reporting_Limit_Type	0004	LOQ		
A1	1049	Reporting_Limit_Type	0004	LOQ		
A1	1050	Reporting_Limit_Type	0004	LOQ		
A1	1051	Reporting_Limit_Type	0004	LOQ		
A1	1052	Reporting_Limit_Type	0004	LOQ		
A1	1053	Reporting_Limit_Type	0004	LOQ		
A1	1054	Reporting_Limit_Type	0004	LOQ		
A1	1055	Reporting_Limit_Type	0004	LOQ		
A1	1056	Reporting_Limit_Type	0004	LOQ		
A1	1057	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1058	Reporting_Limit_Type	0004	LOQ		
A1	1059	Reporting_Limit_Type	0004	LOQ		
A1	1060	Reporting_Limit_Type	0004	LOQ		
A1	1061	Reporting_Limit_Type	0004	LOQ		
A1	1062	Reporting_Limit_Type	0004	LOQ		
A1	1063	Reporting_Limit_Type	0004	LOQ		
A1	1064	Reporting_Limit_Type	0004	LOQ		
A1	1065	Reporting_Limit_Type	0004	LOQ		
A1	1066	Reporting_Limit_Type	0004	LOQ		
A1	1067	Reporting_Limit_Type	0004	LOQ		
A1	1068	Reporting_Limit_Type	0004	LOQ		
A1	1069	Reporting_Limit_Type	0004	LOQ		
A1	1070	Reporting_Limit_Type	0004	LOQ		
A1	1071	Reporting_Limit_Type	0004	LOQ		
A1	1072	Reporting_Limit_Type	0004	LOQ		
A1	1073	Reporting_Limit_Type	0004	LOQ		
A1	1074	Reporting_Limit_Type	0004	LOQ		
A1	1075	Reporting_Limit_Type	0004	LOQ		
A1	1076	Reporting_Limit_Type	0004	LOQ		
A1	1077	Reporting_Limit_Type	0004	LOQ		
A1	1078	Reporting_Limit_Type	0004	LOQ		
A1	1079	Reporting_Limit_Type	0004	LOQ		
A1	1080	Reporting_Limit_Type	0004	LOQ		
A1	1081	Reporting_Limit_Type	0004	LOQ		
A1	1082	Reporting_Limit_Type	0004	LOQ		
A1	1083	Reporting_Limit_Type	0004	LOQ		
A1	1084	Reporting_Limit_Type	0004	LOQ		
A1	1085	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1086	Reporting_Limit_Type	0004	LOQ		
A1	1087	Reporting_Limit_Type	0004	LOQ		
A1	1088	Reporting_Limit_Type	0004	LOQ		
A1	1089	Reporting_Limit_Type	0004	LOQ		
A1	1090	Reporting_Limit_Type	0004	LOQ		
A1	1091	Reporting_Limit_Type	0004	LOQ		
A1	1092	Reporting_Limit_Type	0004	LOQ		
A1	1093	Reporting_Limit_Type	0004	LOQ		
A1	1094	Reporting_Limit_Type	0004	LOQ		
A1	1095	Reporting_Limit_Type	0004	LOQ		
A1	1096	Reporting_Limit_Type	0004	LOQ		
A1	1097	Reporting_Limit_Type	0004	LOQ		
A1	1098	Reporting_Limit_Type	0004	LOQ		
A1	1099	Reporting_Limit_Type	0004	LOQ		
A1	1100	Reporting_Limit_Type	0004	LOQ		
A1	1101	Reporting_Limit_Type	0004	LOQ		
A1	1102	Reporting_Limit_Type	0004	LOQ		
A1	1103	Reporting_Limit_Type	0004	LOQ		
A1	1104	Reporting_Limit_Type	0004	LOQ		
A1	1105	Reporting_Limit_Type	0004	LOQ		
A1	1106	Reporting_Limit_Type	0004	LOQ		
A1	1107	Reporting_Limit_Type	0004	LOQ		
A1	1108	Reporting_Limit_Type	0004	LOQ		
A1	1109	Reporting_Limit_Type	0004	LOQ		
A1	1110	Reporting_Limit_Type	0004	LOQ		
A1	1111	Reporting_Limit_Type	0004	LOQ		
A1	1112	Reporting_Limit_Type	0004	LOQ		
A1	1113	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1114	Reporting_Limit_Type	0004	LOQ		
A1	1115	Reporting_Limit_Type	0004	LOQ		
A1	1116	Reporting_Limit_Type	0004	LOQ		
A1	1117	Reporting_Limit_Type	0004	LOQ		
A1	1118	Reporting_Limit_Type	0004	LOQ		
A1	1119	Reporting_Limit_Type	0004	LOQ		
A1	1120	Reporting_Limit_Type	0004	LOQ		
A1	1121	Reporting_Limit_Type	0004	LOQ		
A1	1122	Reporting_Limit_Type	0004	LOQ		
A1	1123	Reporting_Limit_Type	0004	LOQ		
A1	1124	Reporting_Limit_Type	0004	LOQ		
A1	1125	Reporting_Limit_Type	0004	LOQ		
A1	1126	Reporting_Limit_Type	0004	LOQ		
A1	1127	Reporting_Limit_Type	0004	LOQ		
A1	1128	Reporting_Limit_Type	0004	LOQ		
A1	1129	Reporting_Limit_Type	0004	LOQ		
A1	1130	Reporting_Limit_Type	0004	LOQ		
A1	1131	Reporting_Limit_Type	0004	LOQ		
A1	1132	Reporting_Limit_Type	0004	LOQ		
A1	1133	Reporting_Limit_Type	0004	LOQ		
A1	1134	Reporting_Limit_Type	0004	LOQ		
A1	1135	Reporting_Limit_Type	0004	LOQ		
A1	1136	Reporting_Limit_Type	0004	LOQ		
A1	1137	Reporting_Limit_Type	0004	LOQ		
A1	1138	Reporting_Limit_Type	0004	LOQ		
A1	1139	Reporting_Limit_Type	0004	LOQ		
A1	1140	Reporting_Limit_Type	0004	LOQ		
A1	1141	Reporting_Limit_Type	0004	LOQ		

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Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08 | **Laboratory: TA CAN**

Library Description: Per DoD QSM V3 January 2006 | **Report Date: 11/7/2012 17:07**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1142	Reporting_Limit_Type	0004	LOQ		
A1	1143	Reporting_Limit_Type	0004	LOQ		
A1	1144	Reporting_Limit_Type	0004	LOQ		
A1	1145	Reporting_Limit_Type	0004	LOQ		
A1	1146	Reporting_Limit_Type	0004	LOQ		
A1	1147	Reporting_Limit_Type	0004	LOQ		
A1	1148	Reporting_Limit_Type	0004	LOQ		
A1	1149	Reporting_Limit_Type	0004	LOQ		
A1	1150	Reporting_Limit_Type	0004	LOQ		
A1	1151	Reporting_Limit_Type	0004	LOQ		
A1	1152	Reporting_Limit_Type	0004	LOQ		
A1	1153	Reporting_Limit_Type	0004	LOQ		
A1	1154	Reporting_Limit_Type	0004	LOQ		
A1	1155	Reporting_Limit_Type	0004	LOQ		
A1	1156	Reporting_Limit_Type	0004	LOQ		
A1	1157	Reporting_Limit_Type	0004	LOQ		
A1	1158	Reporting_Limit_Type	0004	LOQ		
A1	1159	Reporting_Limit_Type	0004	LOQ		
A1	1160	Reporting_Limit_Type	0004	LOQ		
A1	1161	Reporting_Limit_Type	0004	LOQ		
A1	1162	Reporting_Limit_Type	0004	LOQ		
A1	1163	Reporting_Limit_Type	0004	LOQ		
A1	1164	Reporting_Limit_Type	0004	LOQ		
A1	1165	Reporting_Limit_Type	0004	LOQ		
A1	1166	Reporting_Limit_Type	0004	LOQ		
A1	1167	Reporting_Limit_Type	0004	LOQ		
A1	1168	Reporting_Limit_Type	0004	LOQ		
A1	1169	Reporting_Limit_Type	0004	LOQ		

EDD Non-Conformance Detail Report
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Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1170	Reporting_Limit_Type	0004	LOQ		
A1	1171	Reporting_Limit_Type	0004	LOQ		
A1	1172	Reporting_Limit_Type	0004	LOQ		
A1	1173	Reporting_Limit_Type	0004	LOQ		
A1	1174	Reporting_Limit_Type	0004	LOQ		
A1	1175	Reporting_Limit_Type	0004	LOQ		
A1	1176	Reporting_Limit_Type	0004	LOQ		
A1	1177	Reporting_Limit_Type	0004	LOQ		
A1	1178	Reporting_Limit_Type	0004	LOQ		
A1	1179	Reporting_Limit_Type	0004	LOQ		
A1	1180	Reporting_Limit_Type	0004	LOQ		
A1	1181	Reporting_Limit_Type	0004	LOQ		
A1	1182	Reporting_Limit_Type	0004	LOQ		
A1	1183	Reporting_Limit_Type	0004	LOQ		
A1	1184	Reporting_Limit_Type	0004	LOQ		
A1	1185	Reporting_Limit_Type	0004	LOQ		
A1	1186	Reporting_Limit_Type	0004	LOQ		
A1	1187	Reporting_Limit_Type	0004	LOQ		
A1	1188	Reporting_Limit_Type	0004	LOQ		
A1	1189	Reporting_Limit_Type	0004	LOQ		
A1	1190	Reporting_Limit_Type	0004	LOQ		
A1	1191	Reporting_Limit_Type	0004	LOQ		
A1	1192	Reporting_Limit_Type	0004	LOQ		
A1	1193	Reporting_Limit_Type	0004	LOQ		
A1	1194	Reporting_Limit_Type	0004	LOQ		
A1	1195	Reporting_Limit_Type	0004	LOQ		
A1	1196	Reporting_Limit_Type	0004	LOQ		
A1	1197	Reporting_Limit_Type	0004	LOQ		

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Project Library: RVAAP_PB08 | **Laboratory: TA CAN**

Library Description: Per DoD QSM V3 January 2006 | **Report Date: 11/7/2012 17:07**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1198	Reporting_Limit_Type	0004	LOQ		
A1	1199	Reporting_Limit_Type	0004	LOQ		
A1	1200	Reporting_Limit_Type	0004	LOQ		
A1	1201	Reporting_Limit_Type	0004	LOQ		
A1	1202	Reporting_Limit_Type	0004	LOQ		
A1	1203	Reporting_Limit_Type	0004	LOQ		
A1	1204	Reporting_Limit_Type	0004	LOQ		
A1	1205	Reporting_Limit_Type	0004	LOQ		
A1	1206	Reporting_Limit_Type	0004	LOQ		
A1	1207	Reporting_Limit_Type	0004	LOQ		
A1	1208	Reporting_Limit_Type	0004	LOQ		
A1	1209	Reporting_Limit_Type	0004	LOQ		
A1	1210	Reporting_Limit_Type	0004	LOQ		
A1	1211	Reporting_Limit_Type	0004	LOQ		
A1	1212	Reporting_Limit_Type	0004	LOQ		
A1	1213	Reporting_Limit_Type	0004	LOQ		
A1	1214	Reporting_Limit_Type	0004	LOQ		
A1	1215	Reporting_Limit_Type	0004	LOQ		
A1	1216	Reporting_Limit_Type	0004	LOQ		
A1	1217	Reporting_Limit_Type	0004	LOQ		
A1	1218	Reporting_Limit_Type	0004	LOQ		
A1	1219	Reporting_Limit_Type	0004	LOQ		
A1	1220	Reporting_Limit_Type	0004	LOQ		
A1	1221	Reporting_Limit_Type	0004	LOQ		
A1	1222	Reporting_Limit_Type	0004	LOQ		
A1	1223	Reporting_Limit_Type	0004	LOQ		
A1	1224	Reporting_Limit_Type	0004	LOQ		
A1	1225	Reporting_Limit_Type	0004	LOQ		

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Project Library: RVAAP_PB08 | **Laboratory: TA CAN**

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1226	Reporting_Limit_Type	0004	LOQ		
A1	1227	Reporting_Limit_Type	0004	LOQ		
A1	1228	Reporting_Limit_Type	0004	LOQ		
A1	1229	Reporting_Limit_Type	0004	LOQ		
A1	1230	Reporting_Limit_Type	0004	LOQ		
A1	1231	Reporting_Limit_Type	0004	LOQ		
A1	1232	Reporting_Limit_Type	0004	LOQ		
A1	1233	Reporting_Limit_Type	0004	LOQ		
A1	1234	Reporting_Limit_Type	0004	LOQ		
A1	1235	Reporting_Limit_Type	0004	LOQ		
A1	1236	Reporting_Limit_Type	0004	LOQ		
A1	1237	Reporting_Limit_Type	0004	LOQ		
A1	1238	Reporting_Limit_Type	0004	LOQ		
A1	1239	Reporting_Limit_Type	0004	LOQ		
A1	1240	Reporting_Limit_Type	0004	LOQ		
A1	1241	Reporting_Limit_Type	0004	LOQ		
A1	1242	Reporting_Limit_Type	0004	LOQ		
A1	1243	Reporting_Limit_Type	0004	LOQ		
A1	1244	Reporting_Limit_Type	0004	LOQ		
A1	1245	Reporting_Limit_Type	0004	LOQ		
A1	1246	Reporting_Limit_Type	0004	LOQ		
A1	1247	Reporting_Limit_Type	0004	LOQ		
A1	1248	Reporting_Limit_Type	0004	LOQ		
A1	1249	Reporting_Limit_Type	0004	LOQ		
A1	1250	Reporting_Limit_Type	0004	LOQ		
A1	1251	Reporting_Limit_Type	0004	LOQ		
A1	1252	Reporting_Limit_Type	0004	LOQ		
A1	1253	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1254	Reporting_Limit_Type	0004	LOQ		
A1	1255	Reporting_Limit_Type	0004	LOQ		
A1	1256	Reporting_Limit_Type	0004	LOQ		
A1	1257	Reporting_Limit_Type	0004	LOQ		
A1	1258	Reporting_Limit_Type	0004	LOQ		
A1	1259	Reporting_Limit_Type	0004	LOQ		
A1	1260	Reporting_Limit_Type	0004	LOQ		
A1	1261	Reporting_Limit_Type	0004	LOQ		
A1	1262	Reporting_Limit_Type	0004	LOQ		
A1	1263	Reporting_Limit_Type	0004	LOQ		
A1	1264	Reporting_Limit_Type	0004	LOQ		
A1	1265	Reporting_Limit_Type	0004	LOQ		
A1	1266	Reporting_Limit_Type	0004	LOQ		
A1	1267	Reporting_Limit_Type	0004	LOQ		
A1	1268	Reporting_Limit_Type	0004	LOQ		
A1	1269	Reporting_Limit_Type	0004	LOQ		
A1	1270	Reporting_Limit_Type	0004	LOQ		
A1	1271	Reporting_Limit_Type	0004	LOQ		
A1	1272	Reporting_Limit_Type	0004	LOQ		
A1	1273	Reporting_Limit_Type	0004	LOQ		
A1	1274	Reporting_Limit_Type	0004	LOQ		
A1	1275	Reporting_Limit_Type	0004	LOQ		
A1	1276	Reporting_Limit_Type	0004	LOQ		
A1	1277	Reporting_Limit_Type	0004	LOQ		
A1	1278	Reporting_Limit_Type	0004	LOQ		
A1	1279	Reporting_Limit_Type	0004	LOQ		
A1	1280	Reporting_Limit_Type	0004	LOQ		
A1	1281	Reporting_Limit_Type	0004	LOQ		

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Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1282	Reporting_Limit_Type	0004	LOQ	
A1	1283	Reporting_Limit_Type	0004	LOQ	
A1	1284	Reporting_Limit_Type	0004	LOQ	
A1	1285	Reporting_Limit_Type	0004	LOQ	
A1	1286	Reporting_Limit_Type	0004	LOQ	
A1	1287	Reporting_Limit_Type	0004	LOQ	
A1	1288	Reporting_Limit_Type	0004	LOQ	
A1	1289	Reporting_Limit_Type	0004	LOQ	
A1	1290	Reporting_Limit_Type	0004	LOQ	
A1	1291	Reporting_Limit_Type	0004	LOQ	
A1	1292	Reporting_Limit_Type	0004	LOQ	
A1	1293	Reporting_Limit_Type	0004	LOQ	
A1	1294	Reporting_Limit_Type	0004	LOQ	
A1	1295	Reporting_Limit_Type	0004	LOQ	
A1	1296	Reporting_Limit_Type	0004	LOQ	
A1	1297	Reporting_Limit_Type	0004	LOQ	
A1	1298	Reporting_Limit_Type	0004	LOQ	
A1	1299	Reporting_Limit_Type	0004	LOQ	
A1	1300	Reporting_Limit_Type	0004	LOQ	
A1	1301	Reporting_Limit_Type	0004	LOQ	
A1	1302	Reporting_Limit_Type	0004	LOQ	
A1	1303	Reporting_Limit_Type	0004	LOQ	
A1	1304	Reporting_Limit_Type	0004	LOQ	
A1	1305	Reporting_Limit_Type	0004	LOQ	
A1	1306	Reporting_Limit_Type	0004	LOQ	
A1	1307	Reporting_Limit_Type	0004	LOQ	
A1	1308	Reporting_Limit_Type	0004	LOQ	
A1	1309	Reporting_Limit_Type	0004	LOQ	

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Table	Record	Field	Type		Description	Lab Comments
A1	1310	Reporting_Limit_Type	0004	LOQ		
A1	1311	Reporting_Limit_Type	0004	LOQ		
A1	1312	Reporting_Limit_Type	0004	LOQ		
A1	1313	Reporting_Limit_Type	0004	LOQ		
A1	1314	Reporting_Limit_Type	0004	LOQ		
A1	1315	Reporting_Limit_Type	0004	LOQ		
A1	1316	Reporting_Limit_Type	0004	LOQ		
A1	1317	Reporting_Limit_Type	0004	LOQ		
A1	1318	Reporting_Limit_Type	0004	LOQ		
A1	1319	Reporting_Limit_Type	0004	LOQ		
A1	1320	Reporting_Limit_Type	0004	LOQ		
A1	1321	Reporting_Limit_Type	0004	LOQ		
A1	1322	Reporting_Limit_Type	0004	LOQ		
A1	1323	Reporting_Limit_Type	0004	LOQ		
A1	1324	Reporting_Limit_Type	0004	LOQ		
A1	1325	Reporting_Limit_Type	0004	LOQ		
A1	1326	Reporting_Limit_Type	0004	LOQ		
A1	1327	Reporting_Limit_Type	0004	LOQ		
A1	1328	Reporting_Limit_Type	0004	LOQ		
A1	1329	Reporting_Limit_Type	0004	LOQ		
A1	1330	Reporting_Limit_Type	0004	LOQ		
A1	1331	Reporting_Limit_Type	0004	LOQ		
A1	1332	Reporting_Limit_Type	0004	LOQ		
A1	1333	Reporting_Limit_Type	0004	LOQ		
A1	1334	Reporting_Limit_Type	0004	LOQ		
A1	1335	Reporting_Limit_Type	0004	LOQ		
A1	1336	Reporting_Limit_Type	0004	LOQ		
A1	1337	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1338	Reporting_Limit_Type	0004	LOQ		
A1	1339	Reporting_Limit_Type	0004	LOQ		
A1	1340	Reporting_Limit_Type	0004	LOQ		
A1	1341	Reporting_Limit_Type	0004	LOQ		
A1	1342	Reporting_Limit_Type	0004	LOQ		
A1	1343	Reporting_Limit_Type	0004	LOQ		
A1	1344	Reporting_Limit_Type	0004	LOQ		
A1	1345	Reporting_Limit_Type	0004	LOQ		
A1	1346	Reporting_Limit_Type	0004	LOQ		
A1	1347	Reporting_Limit_Type	0004	LOQ		
A1	1348	Reporting_Limit_Type	0004	LOQ		
A1	1349	Reporting_Limit_Type	0004	LOQ		
A1	1350	Reporting_Limit_Type	0004	LOQ		
A1	1351	Reporting_Limit_Type	0004	LOQ		
A1	1352	Reporting_Limit_Type	0004	LOQ		
A1	1353	Reporting_Limit_Type	0004	LOQ		
A1	1354	Reporting_Limit_Type	0004	LOQ		
A1	1355	Reporting_Limit_Type	0004	LOQ		
A1	1356	Reporting_Limit_Type	0004	LOQ		
A1	1357	Reporting_Limit_Type	0004	LOQ		
A1	1358	Reporting_Limit_Type	0004	LOQ		
A1	1359	Reporting_Limit_Type	0004	LOQ		
A1	1360	Reporting_Limit_Type	0004	LOQ		
A1	1361	Reporting_Limit_Type	0004	LOQ		
A1	1362	Reporting_Limit_Type	0004	LOQ		
A1	1363	Reporting_Limit_Type	0004	LOQ		
A1	1364	Reporting_Limit_Type	0004	LOQ		
A1	1365	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1366	Reporting_Limit_Type	0004	LOQ		
A1	1367	Reporting_Limit_Type	0004	LOQ		
A1	1368	Reporting_Limit_Type	0004	LOQ		
A1	1369	Reporting_Limit_Type	0004	LOQ		
A1	1370	Reporting_Limit_Type	0004	LOQ		
A1	1371	Reporting_Limit_Type	0004	LOQ		
A1	1372	Reporting_Limit_Type	0004	LOQ		
A1	1373	Reporting_Limit_Type	0004	LOQ		
A1	1374	Reporting_Limit_Type	0004	LOQ		
A1	1375	Reporting_Limit_Type	0004	LOQ		
A1	1376	Reporting_Limit_Type	0004	LOQ		
A1	1377	Reporting_Limit_Type	0004	LOQ		
A1	1378	Reporting_Limit_Type	0004	LOQ		
A1	1379	Reporting_Limit_Type	0004	LOQ		
A1	1380	Reporting_Limit_Type	0004	LOQ		
A1	1381	Reporting_Limit_Type	0004	LOQ		
A1	1382	Reporting_Limit_Type	0004	LOQ		
A1	1383	Reporting_Limit_Type	0004	LOQ		
A1	1384	Reporting_Limit_Type	0004	LOQ		
A1	1385	Reporting_Limit_Type	0004	LOQ		
A1	1386	Reporting_Limit_Type	0004	LOQ		
A1	1387	Reporting_Limit_Type	0004	LOQ		
A1	1388	Reporting_Limit_Type	0004	LOQ		
A1	1389	Reporting_Limit_Type	0004	LOQ		
A1	1390	Reporting_Limit_Type	0004	LOQ		
A1	1391	Reporting_Limit_Type	0004	LOQ		
A1	1392	Reporting_Limit_Type	0004	LOQ		
A1	1393	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1394	Reporting_Limit_Type	0004	LOQ		
A1	1395	Reporting_Limit_Type	0004	LOQ		
A1	1396	Reporting_Limit_Type	0004	LOQ		
A1	1397	Reporting_Limit_Type	0004	LOQ		
A1	1398	Reporting_Limit_Type	0004	LOQ		
A1	1399	Reporting_Limit_Type	0004	LOQ		
A1	1400	Reporting_Limit_Type	0004	LOQ		
A1	1401	Reporting_Limit_Type	0004	LOQ		
A1	1402	Reporting_Limit_Type	0004	LOQ		
A1	1403	Reporting_Limit_Type	0004	LOQ		
A1	1404	Reporting_Limit_Type	0004	LOQ		
A1	1405	Reporting_Limit_Type	0004	LOQ		
A1	1406	Reporting_Limit_Type	0004	LOQ		
A1	1407	Reporting_Limit_Type	0004	LOQ		
A1	1408	Reporting_Limit_Type	0004	LOQ		
A1	1409	Reporting_Limit_Type	0004	LOQ		
A1	1410	Reporting_Limit_Type	0004	LOQ		
A1	1411	Reporting_Limit_Type	0004	LOQ		
A1	1412	Reporting_Limit_Type	0004	LOQ		
A1	1413	Reporting_Limit_Type	0004	LOQ		
A1	1414	Reporting_Limit_Type	0004	LOQ		
A1	1415	Reporting_Limit_Type	0004	LOQ		
A1	1416	Reporting_Limit_Type	0004	LOQ		
A1	1417	Reporting_Limit_Type	0004	LOQ		
A1	1418	Reporting_Limit_Type	0004	LOQ		
A1	1419	Reporting_Limit_Type	0004	LOQ		
A1	1420	Reporting_Limit_Type	0004	LOQ		
A1	1421	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1422	Reporting_Limit_Type	0004	LOQ		
A1	1423	Reporting_Limit_Type	0004	LOQ		
A1	1424	Reporting_Limit_Type	0004	LOQ		
A1	1425	Reporting_Limit_Type	0004	LOQ		
A1	1426	Reporting_Limit_Type	0004	LOQ		
A1	1427	Reporting_Limit_Type	0004	LOQ		
A1	1428	Reporting_Limit_Type	0004	LOQ		
A1	1429	Reporting_Limit_Type	0004	LOQ		
A1	1430	Reporting_Limit_Type	0004	LOQ		
A1	1431	Reporting_Limit_Type	0004	LOQ		
A1	1432	Reporting_Limit_Type	0004	LOQ		
A1	1433	Reporting_Limit_Type	0004	LOQ		
A1	1434	Reporting_Limit_Type	0004	LOQ		
A1	1435	Reporting_Limit_Type	0004	LOQ		
A1	1436	Reporting_Limit_Type	0004	LOQ		
A1	1437	Reporting_Limit_Type	0004	LOQ		
A1	1438	Reporting_Limit_Type	0004	LOQ		
A1	1439	Reporting_Limit_Type	0004	LOQ		
A1	1440	Reporting_Limit_Type	0004	LOQ		
A1	1441	Reporting_Limit_Type	0004	LOQ		
A1	1442	Reporting_Limit_Type	0004	LOQ		
A1	1443	Reporting_Limit_Type	0004	LOQ		
A1	1444	Reporting_Limit_Type	0004	LOQ		
A1	1445	Reporting_Limit_Type	0004	LOQ		
A1	1446	Reporting_Limit_Type	0004	LOQ		
A1	1447	Reporting_Limit_Type	0004	LOQ		
A1	1448	Reporting_Limit_Type	0004	LOQ		
A1	1449	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1450	Reporting_Limit_Type	0004	LOQ		
A1	1451	Reporting_Limit_Type	0004	LOQ		
A1	1452	Reporting_Limit_Type	0004	LOQ		
A1	1453	Reporting_Limit_Type	0004	LOQ		
A1	1454	Reporting_Limit_Type	0004	LOQ		
A1	1455	Reporting_Limit_Type	0004	LOQ		
A1	1456	Reporting_Limit_Type	0004	LOQ		
A1	1457	Reporting_Limit_Type	0004	LOQ		
A1	1458	Reporting_Limit_Type	0004	LOQ		
A1	1459	Reporting_Limit_Type	0004	LOQ		
A1	1460	Reporting_Limit_Type	0004	LOQ		
A1	1461	Reporting_Limit_Type	0004	LOQ		
A1	1462	Reporting_Limit_Type	0004	LOQ		
A1	1463	Reporting_Limit_Type	0004	LOQ		
A1	1464	Reporting_Limit_Type	0004	LOQ		
A1	1465	Reporting_Limit_Type	0004	LOQ		
A1	1466	Reporting_Limit_Type	0004	LOQ		
A1	1467	Reporting_Limit_Type	0004	LOQ		
A1	1468	Reporting_Limit_Type	0004	LOQ		
A1	1469	Reporting_Limit_Type	0004	LOQ		
A1	1470	Reporting_Limit_Type	0004	LOQ		
A1	1471	Reporting_Limit_Type	0004	LOQ		
A1	1472	Reporting_Limit_Type	0004	LOQ		
A1	1473	Reporting_Limit_Type	0004	LOQ		
A1	1474	Reporting_Limit_Type	0004	LOQ		
A1	1475	Reporting_Limit_Type	0004	LOQ		
A1	1476	Reporting_Limit_Type	0004	LOQ		
A1	1477	Reporting_Limit_Type	0004	LOQ		

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Table	Record	Field	Type		Description	Lab Comments
A1	1478	Reporting_Limit_Type	0004	LOQ		
A1	1479	Reporting_Limit_Type	0004	LOQ		
A1	1480	Reporting_Limit_Type	0004	LOQ		
A1	1481	Reporting_Limit_Type	0004	LOQ		
A1	1482	Reporting_Limit_Type	0004	LOQ		
A1	1483	Reporting_Limit_Type	0004	LOQ		
A1	1484	Reporting_Limit_Type	0004	LOQ		
A1	1485	Reporting_Limit_Type	0004	LOQ		
A1	1486	Reporting_Limit_Type	0004	LOQ		
A1	1487	Reporting_Limit_Type	0004	LOQ		
A1	1488	Reporting_Limit_Type	0004	LOQ		
A1	1489	Reporting_Limit_Type	0004	LOQ		
A1	1490	Reporting_Limit_Type	0004	LOQ		
A1	1491	Reporting_Limit_Type	0004	LOQ		
A1	1492	Reporting_Limit_Type	0004	LOQ		
A1	1493	Reporting_Limit_Type	0004	LOQ		
A1	1494	Reporting_Limit_Type	0004	LOQ		
A1	1495	Reporting_Limit_Type	0004	LOQ		
A1	1496	Reporting_Limit_Type	0004	LOQ		
A1	1497	Reporting_Limit_Type	0004	LOQ		
A1	1498	Reporting_Limit_Type	0004	LOQ		
A1	1499	Reporting_Limit_Type	0004	LOQ		
A1	1500	Reporting_Limit_Type	0004	LOQ		
A1	1501	Reporting_Limit_Type	0004	LOQ		
A1	1502	Reporting_Limit_Type	0004	LOQ		
A1	1503	Reporting_Limit_Type	0004	LOQ		
A1	1504	Reporting_Limit_Type	0004	LOQ		
A1	1505	Reporting_Limit_Type	0004	LOQ		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1506	Reporting_Limit_Type	0004	LOQ		
A1	1507	Reporting_Limit_Type	0004	LOQ		
A1	1508	Reporting_Limit_Type	0004	LOQ		
A1	1509	Reporting_Limit_Type	0004	LOQ		
A1	1510	Reporting_Limit_Type	0004	LOQ		
A1	1511	Reporting_Limit_Type	0004	LOQ		
A1	1512	Reporting_Limit_Type	0004	LOQ		
A1	1513	Reporting_Limit_Type	0004	LOQ		
A1	1514	Reporting_Limit_Type	0004	LOQ		
A1	1515	Reporting_Limit_Type	0004	LOQ		
A1	1516	Reporting_Limit_Type	0004	LOQ		
A1	1517	Reporting_Limit_Type	0004	LOQ		
A1	1518	Reporting_Limit_Type	0004	LOQ		
A1	1519	Reporting_Limit_Type	0004	LOQ		
A1	1520	Reporting_Limit_Type	0004	LOQ		
A1	1521	Reporting_Limit_Type	0004	LOQ		
A1	1522	Reporting_Limit_Type	0004	LOQ		
A1	1523	Reporting_Limit_Type	0004	LOQ		
A1	1524	Reporting_Limit_Type	0004	LOQ		
A1	1525	Reporting_Limit_Type	0004	LOQ		
A1	1526	Reporting_Limit_Type	0004	LOQ		
A1	1527	Reporting_Limit_Type	0004	LOQ		
A1	1528	Reporting_Limit_Type	0004	LOQ		
A1	1529	Reporting_Limit_Type	0004	LOQ		
A1	1530	Reporting_Limit_Type	0004	LOQ		
A1	1531	Reporting_Limit_Type	0004	LOQ		
A1	1532	Reporting_Limit_Type	0004	LOQ		
A1	1533	Reporting_Limit_Type	0004	LOQ		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1534	Reporting_Limit_Type	0004	LOQ		
A1	1535	Reporting_Limit_Type	0004	LOQ		
A1	1536	Reporting_Limit_Type	0004	LOQ		
A1	1537	Reporting_Limit_Type	0004	LOQ		
A1	1538	Reporting_Limit_Type	0004	LOQ		
A1	1539	Reporting_Limit_Type	0004	LOQ		
A1	1540	Reporting_Limit_Type	0004	LOQ		
A1	1541	Reporting_Limit_Type	0004	LOQ		
A1	1542	Reporting_Limit_Type	0004	LOQ		
A1	1543	Reporting_Limit_Type	0004	LOQ		
A1	1544	Reporting_Limit_Type	0004	LOQ		
A1	1545	Reporting_Limit_Type	0004	LOQ		
A1	1546	Reporting_Limit_Type	0004	LOQ		
A1	1547	Reporting_Limit_Type	0004	LOQ		
A1	1548	Reporting_Limit_Type	0004	LOQ		
A1	1549	Reporting_Limit_Type	0004	LOQ		
A1	1550	Reporting_Limit_Type	0004	LOQ		
A1	1551	Reporting_Limit_Type	0004	LOQ		
A1	1552	Reporting_Limit_Type	0004	LOQ		
A1	1553	Reporting_Limit_Type	0004	LOQ		
A1	1554	Reporting_Limit_Type	0004	LOQ		
A1	1555	Reporting_Limit_Type	0004	LOQ		
A1	1556	Reporting_Limit_Type	0004	LOQ		
A1	1557	Reporting_Limit_Type	0004	LOQ		
A1	1558	Reporting_Limit_Type	0004	LOQ		
A1	1559	Reporting_Limit_Type	0004	LOQ		
A1	1560	Reporting_Limit_Type	0004	LOQ		
A1	1561	Reporting_Limit_Type	0004	LOQ		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08 **Laboratory: TA CAN**

Library Description: Per DoD QSM V3 January 2006 **Report Date: 11/7/2012 17:07**

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type		Description	Lab Comments
A1	1562	Reporting_Limit_Type	0004	LOQ		
A1	1563	Reporting_Limit_Type	0004	LOQ		
A1	1564	Reporting_Limit_Type	0004	LOQ		
A1	1565	Reporting_Limit_Type	0004	LOQ		
A1	1566	Reporting_Limit_Type	0004	LOQ		
A1	1567	Reporting_Limit_Type	0004	LOQ		
A1	1568	Reporting_Limit_Type	0004	LOQ		
A1	1569	Reporting_Limit_Type	0004	LOQ		
A1	1570	Reporting_Limit_Type	0004	LOQ		
A1	1571	Reporting_Limit_Type	0004	LOQ		
A1	1572	Reporting_Limit_Type	0004	LOQ		
A1	1573	Reporting_Limit_Type	0004	LOQ		
A1	1574	Reporting_Limit_Type	0004	LOQ		
A1	1575	Reporting_Limit_Type	0004	LOQ		
A1	1576	Reporting_Limit_Type	0004	LOQ		
A1	1577	Reporting_Limit_Type	0004	LOQ		
A1	1578	Reporting_Limit_Type	0004	LOQ		
A1	1579	Reporting_Limit_Type	0004	LOQ		
A1	1580	Reporting_Limit_Type	0004	LOQ		
A1	1581	Reporting_Limit_Type	0004	LOQ		
A1	1582	Reporting_Limit_Type	0004	LOQ		
A1	1583	Reporting_Limit_Type	0004	LOQ		
A1	1584	Reporting_Limit_Type	0004	LOQ		
A1	1585	Reporting_Limit_Type	0004	LOQ		
A1	1586	Reporting_Limit_Type	0004	LOQ		
A1	1587	Reporting_Limit_Type	0004	LOQ		
A1	1588	Reporting_Limit_Type	0004	LOQ		
A1	1589	Reporting_Limit_Type	0004	LOQ		

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A1	1590	Reporting_Limit_Type	0004	LOQ	
A1	1591	Reporting_Limit_Type	0004	LOQ	
A3		Project Number	0025	The project name "RVAAP PBA2008 17 AOCs RI" entered in one or more records does not match any of the project names entered in the standard values table.	
A3		Project Number	0025	The project number "172819.00.09456.00.9200.02.200" entered in one or more records does not match any of the project numbers entered in the standard values table.	
A3	1	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	7	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	9	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	10	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	11	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	12	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	14	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	15	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	17	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	18	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	23	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	25	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	26	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	27	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	28	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	30	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	31	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	33	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	34	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	40	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	42	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	43	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	44	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	45	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	46	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	47	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	53	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	55	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	56	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	57	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	58	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	59	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	69	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	73	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	74	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	75	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	76	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	77	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	78	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

Discrepancies Between the Project Library and EDD

Table	Record	Field	Type	Description	Lab Comments
A3	79	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	89	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	93	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	94	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	95	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	96	Preparation_Type	0004	The value "8330B" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	97	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	98	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	99	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	
A3	100	Preparation_Type	0004	The value "METHOD" entered in the PreparationType field of this record is not a standard value. Refer to the Standard Values table for correct values that can be entered into this field.	

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08
Library Description: Per DoD QSM V3 January 2006

Laboratory: TA CAN
Report Date: 11/7/2012 17:07

0001	Field character length exceeded
0002	Non-numeric value in a numeric field
0003	Incorrectly formatted date/time value
0004	Invalid value
0005	Analytical Method, Analtye ID, Analyte Name, Matrix, and Units not found in the reference project library
0006	RPD value is missing from a MSD, LCSD, or laboratory duplicate sample
0007	Target analyte specified in library files not found in the EDD
0008	Discrepancy in related records found between the tables Sample Analysis and Analytical Result
0009	Required field not populated
0010	Surrogate compounds specified in the reference project library are not found in table Analytical Results
0011	Surrogate compounds not specified in the reference project library are found in table Analytical Results
0012	Spike compounds specified in the reference project library are not found in table Analytical Results or vice versa
0013	Target analyte not specified in the reference project library is found in Analytical Results table
0014	Handling Batch ID (for leachates) is missing in Table A3
0015	Lab_Sample_ID can not have more than one matrix type assigned to it
0016	Analysis_Batch ID present in the Sample Analysis table is missing from the Laboratory Instrument table
0017	Analysis_Batch ID present in the Laboratory Instrument table is missing from the Sample Analysis table
0018	Run_Batch present in the Sample Analysis table is missing from the Laboratory Instrument table
0019	Run_Batch present in the Laboratory Instrument table is missing from the Sample Analysis table
0020	Target analytes and surrogates not specified in the reference project library are found in the Laboratory Intrument table
0021	Analysis_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS continuing calibration (QC_Type = CCV)
0022	Run_Batch relationship missing between a GC/MS tune (QC_Type = IPC) and a GC/MS initial calibration (QC_Type = IC)
0023	Incorrect naming or inconsistent collection date for MS/MSD sample and/or parent sample
0024	Problems with %RSD, Correlation Coefficient, and/or RRFs reported for GC/MS calibration records.
0025	Project Number or Project Name reported in the EDD not found in the Standard Value table
0026	Result value for a non-detected analyte does not match the Reporting_Limit value as reported in the EDD
0027	ClientSampleID present in Analytical Results table but missing in the Sample Analysis table or vice versa
0028	Missing associated Method Blank records for a specific Preparation Batch / Analytical Method
0029	Missing associated Laboratory Control Sample records for a specific Preparation Batch / Analytical Method
0030	Missing associated Matrix Spike / Duplicate records for a specific Method Batch / Analytical Method
0031	Record specified in the reference project library not found in the Analytical Results table where Reportable Result = Yes
0032	Duplicate records found in table Analytical Results for fields ClientSampleID, Collected, AnalyticalMethod, AnalytedID where Reportable_Result = Yes
0033	Missing calibration records in Table A2

EDD Non-Conformance Detail Report
Lab Reporting Batch ID: 240-14026-1

Project Library: RVAAP_PB08

Laboratory: TA CAN

Library Description: Per DoD QSM V3 January 2006

Report Date: 11/7/2012 17:07

0034	*Report Limit from table Analytical Results exceeds the value in the reference project library (corrected for dilution and perc moist, if appl)*
0035	*Missing target analytes in IC, ICV, CV, or CCV*
0036	*Surrogate Recovery has a value greater than zero but the Lab Qualifier is like "*U*"*
0037	*Duplicate records in Table A1, A2, or A3*
0038	*Problems with QC Batch assignment*
0039	*Non-conformances related to Total Uranium assessment*

QC Outlier Report: Holding Times

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

					Actual Holding Time			Criteria				Reported Dates (and Times)		
Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Prep Method	Coll To Prep	Prep To Ana	Coll To Ana	Coll To Prep	Prep To Ana	Coll To Ana	Unit of Meas	Collection Date	Preparation Date	Analysis Date
LL6SW-096-5871-SW	240-14026-2	8270C	AQ	3520C	13.0	15.0		7	40		Days	08/09/2012	08/22/2012	09/06/2012

Original prep was w/in HT, but reanalysis reported due to surrogate failure in LCS. Reprep data qualified J/UJ. SV 11/16/2012

Temperature Outlier Report

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	
LL11SD-096-5874-SD	240-14026-5	8081A	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8081A	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8081A	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8081A	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
LL11SD-096-5874-SD	240-14026-5	8082	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8082	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8082	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8082	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
LL11SD-096-5874-SD	240-14026-5	8260B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8260B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8260B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8260B	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
PBA08-QC-6244-TB	240-14026-1	8260B	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
LL11SD-096-5874-SD	240-14026-5	8270C	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8270C	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8270C	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8270C	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
LL11SD-096-5874-SD	240-14026-5	8330B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8330B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8330B	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8330B	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R
LL11SD-096-5874-SD	240-14026-5	8330M	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL5SD-086-5872-SD	240-14026-4	8330M	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SD-096-5870-SD	240-14026-3	8330M	SO	6.1	2	6	10	J	J-	UJ	J	J-	R
LL6SW-096-5871-SW	240-14026-2	8330M	AQ	6.1	2	6	10	J	J-	UJ	J	J-	R

Samples hand delivered to lab the same day as sample collection. There were 2 coolers recd at 2.8 and 6.1°C. Data was not qualified due to temperature. W 11/16/2012

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL11SD-096-5874-SD	240-14026-5	6020	SO	ANTIMONY	J	0.14	0.24	mg/Kg
				SILVER	J	0.072	0.12	mg/Kg
				SODIUM	J	35	120	mg/Kg
				THALLIUM	J	0.21	0.24	mg/Kg
		7471A		MERCURY	J	0.10	0.12	mg/Kg
		8270C		BENZYL ALCOHOL	J	54	450	ug/Kg
		WS-WC-0050		Nitrocellulose	J	1.4	6.7	mg/Kg
LL5SD-086-5872-SD	240-14026-4	6020		ANTIMONY	J	0.074	0.23	mg/Kg
				CADMIUM	J	0.22	0.23	mg/Kg
				SILVER	J	0.094	0.11	mg/Kg
				SODIUM	J	25	110	mg/Kg
				THALLIUM	J	0.20	0.23	mg/Kg
		7471A		MERCURY	J	0.053	0.13	mg/Kg
		WS-WC-0050		Nitrocellulose	J	2.1	6.6	mg/Kg
LL6SD-096-5870-SD	240-14026-3	6020		CADMIUM	J	0.075	0.25	mg/Kg
				SILVER	J	0.037	0.12	mg/Kg
				SODIUM	J	24	120	mg/Kg
				THALLIUM	J	0.15	0.25	mg/Kg
		8260B		2-Butanone (MEK)	J	5.3	30	ug/Kg
				METHYLENE CHLORIDE	J	2.3	7.5	ug/Kg
		8270C		FLUORANTHENE	J	9.8	9.9	ug/Kg
LL6SW-096-5871-SW	240-14026-2	6020	AQ	ANTIMONY	J	0.45	2.0	ug/L
				ARSENIC	J	1.2	5.0	ug/L
				BERYLLIUM	J	0.27	1.0	ug/L
				CADMIUM	J	0.17	2.0	ug/L
				COBALT	J	0.35	1.0	ug/L
				SELENIUM	J	0.32	5.0	ug/L
				SODIUM	J	520	1000	ug/L
				THALLIUM	J	0.35	2.0	ug/L
		8260B		2-Butanone (MEK)	J	0.72	10	ug/L
		8270C		BIS(2-ETHYLHEXYL) PHTHALATE	J H	0.90	1.9	ug/L
PBA08-QC-6244-TB	240-14026-1	8260B		ACETONE	J	1.9	10	ug/L
				METHYLENE CHLORIDE	J	0.47	1.0	ug/L

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL11SD-096-5874-SD	240-14026-5	8081A	SO	4,4'-DDD	U	28	23.1923602	ug/Kg
				4,4'-DDE	U	24	23.1923602	ug/Kg
				4,4'-DDT	U	28	23.1923602	ug/Kg
				ALDRIN	U	55	23.1923602	ug/Kg
				ALPHA-BHC	U	35	23.1923602	ug/Kg
				alpha-Chordane	U	41	23.1923602	ug/Kg
				BETA-BHC	U	48	23.1923602	ug/Kg
				DELTA-BHC	U	55	23.1923602	ug/Kg
				DIELDRIN	U	24	23.1923602	ug/Kg
				ENDOSULFAN I	U	24	23.1923602	ug/Kg
				ENDOSULFAN II	U	35	23.1923602	ug/Kg
				ENDOSULFAN SULFATE	U	41	23.1923602	ug/Kg
				ENDRIN	U	24	23.1923602	ug/Kg
				ENDRIN ALDEHYDE	U	41	23.1923602	ug/Kg
				ENDRIN KETONE	U	28	23.1923602	ug/Kg
				gamma-BHC (Lindane)	U	35	23.1923602	ug/Kg
				GAMMA-CHLORDANE	U	24	23.1923602	ug/Kg
				HEPTACHLOR	U	48	23.1923602	ug/Kg
				HEPTACHLOR EPOXIDE	U	35	23.1923602	ug/Kg
		8082		AROCLOR 1016	U	90	2.31923602	ug/Kg
				AROCLOR 1221	U	69	2.31923602	ug/Kg
				AROCLOR 1232	U	62	2.31923602	ug/Kg
				AROCLOR 1242	U	55	2.31923602	ug/Kg
				AROCLOR 1248	U	76	2.31923602	ug/Kg
				AROCLOR 1254	U	76	2.31923602	ug/Kg
				AROCLOR 1260	U	76	2.31923602	ug/Kg
		8260B		1,2-DICHLOROETHENE (TOTAL)	U	14	6.82128240	ug/Kg
				Xylene (Total)	U	14	13.6425648	ug/Kg
		8270C		3 & 4-Methylphenol	U	550	545.702592	ug/Kg
LL5SD-086-5872-SD	240-14026-4	8081A	SO	4,4'-DDD	U	13	11.3788487	ug/Kg
				4,4'-DDT	U	13	11.3788487	ug/Kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL5SD-086-5872-SD	240-14026-4	8081A	SO	ALDRIN	U	26	11.3788487	ug/Kg
				ALPHA-BHC	U	16	11.3788487	ug/Kg
				alpha-Chordane	U	20	11.3788487	ug/Kg
				BETA-BHC	U	23	11.3788487	ug/Kg
				DELTA-BHC	U	26	11.3788487	ug/Kg
				ENDOSULFAN II	U	16	11.3788487	ug/Kg
				ENDOSULFAN SULFATE	U	20	11.3788487	ug/Kg
				ENDRIN ALDEHYDE	U	20	11.3788487	ug/Kg
				ENDRIN KETONE	U	13	11.3788487	ug/Kg
				gamma-BHC (Lindane)	U	16	11.3788487	ug/Kg
				HEPTACHLOR	U	23	11.3788487	ug/Kg
				HEPTACHLOR EPOXIDE	U	16	11.3788487	ug/Kg
		8082		AROCLOR 1016	U	86	2.27576975	ug/Kg
				AROCLOR 1221	U	66	2.27576975	ug/Kg
				AROCLOR 1232	U	59	2.27576975	ug/Kg
				AROCLOR 1242	U	53	2.27576975	ug/Kg
				AROCLOR 1248	U	72	2.27576975	ug/Kg
				AROCLOR 1254	U	72	2.27576975	ug/Kg
				AROCLOR 1260	U	72	2.27576975	ug/Kg
		8260B		1,1,1-TRICHLOROETHANE	U	6.7	6.69344043	ug/Kg
				1,1,2,2-TETRACHLOROETHANE	U	6.7	6.69344043	ug/Kg
				1,1,2-TRICHLOROETHANE	U	6.7	6.69344043	ug/Kg
				1,1-DICHLOROETHANE	U	6.7	6.69344043	ug/Kg
				1,1-DICHLOROETHENE	U	6.7	6.69344043	ug/Kg
				1,2-Dibromoethane (Ethylene Dibro	U	6.7	6.69344043	ug/Kg
				1,2-DICHLOROETHANE	U	6.7	6.69344043	ug/Kg
				1,2-DICHLOROETHENE (TOTAL)	U	13	6.69344043	ug/Kg
				1,2-DICHLOROPROPANE	U	6.7	6.69344043	ug/Kg
				2-Butanone (MEK)	U	27	26.7737617	ug/Kg
				2-HEXANONE	U	27	26.7737617	ug/Kg
				4-Methyl-2-pentanone (MIBK)	U	27	26.7737617	ug/Kg
				ACETONE	U	27	26.7737617	ug/Kg
				BENZENE	U	6.7	6.69344043	ug/Kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL5SD-086-5872-SD	240-14026-4	8260B	SO	BROMOCHLOROMETHANE	U	6.7	6.69344043	ug/Kg
				BROMODICHLOROMETHANE	U	6.7	6.69344043	ug/Kg
				BROMOFORM	U	6.7	6.69344043	ug/Kg
				Bromomethane (Methyl bromide)	U	6.7	6.69344043	ug/Kg
				CARBON DISULFIDE	U	6.7	6.69344043	ug/Kg
				CARBON TETRACHLORIDE	U	6.7	6.69344043	ug/Kg
				CHLOROBENZENE	U	6.7	6.69344043	ug/Kg
				Chlorodibromomethane	U	6.7	6.69344043	ug/Kg
				CHLOROETHANE	U	6.7	6.69344043	ug/Kg
				CHLOROFORM	U	6.7	6.69344043	ug/Kg
				CHLOROMETHANE	U	6.7	6.69344043	ug/Kg
				CIS-1,3-DICHLOROPROPENE	U	6.7	6.69344043	ug/Kg
				ETHYLBENZENE	U	6.7	6.69344043	ug/Kg
				METHYLENE CHLORIDE	U	6.7	6.69344043	ug/Kg
				STYRENE	U	6.7	6.69344043	ug/Kg
				TETRACHLOROETHENE	U	6.7	6.69344043	ug/Kg
				TOLUENE	U	6.7	6.69344043	ug/Kg
				TRANS-1,3-DICHLOROPROPENE	U	6.7	6.69344043	ug/Kg
				TRICHLOROETHENE	U	6.7	6.69344043	ug/Kg
				VINYL CHLORIDE	U	6.7	6.69344043	ug/Kg
		8270C		3 & 4-Methylphenol	U	540	535.475234	ug/Kg
				BENZYL ALCOHOL	U	450	441.767068	ug/Kg
				CARBAZOLE	U	68	66.9344043	ug/Kg
				HEXACHLOROCYCLOPENTADIE	U	450	441.767068	ug/Kg
LL6SD-096-5870-SD	240-14026-3	8081A	SO	4,4'-DDD	U	15	12.7627628	ug/Kg
				4,4'-DDE	U	13	12.7627628	ug/Kg
				4,4'-DDT	U	15	12.7627628	ug/Kg
				ALDRIN	U	30	12.7627628	ug/Kg
				ALPHA-BHC	U	19	12.7627628	ug/Kg
				alpha-Chordane	U	22	12.7627628	ug/Kg
				BETA-BHC	U	26	12.7627628	ug/Kg
				DELTA-BHC	U	30	12.7627628	ug/Kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SD-096-5870-SD	240-14026-3	8081A	SO	DIELDRIN	U	13	12.7627628	ug/Kg
				ENDOSULFAN I	U	13	12.7627628	ug/Kg
				ENDOSULFAN II	U	19	12.7627628	ug/Kg
				ENDOSULFAN SULFATE	U	22	12.7627628	ug/Kg
				ENDRIN	U	13	12.7627628	ug/Kg
				ENDRIN ALDEHYDE	U	22	12.7627628	ug/Kg
				ENDRIN KETONE	U	15	12.7627628	ug/Kg
				gamma-BHC (Lindane)	U	19	12.7627628	ug/Kg
				GAMMA-CHLORDANE	U	13	12.7627628	ug/Kg
				HEPTACHLOR	U	26	12.7627628	ug/Kg
				HEPTACHLOR EPOXIDE	U	19	12.7627628	ug/Kg
		8082		AROCLOR 1016	U	97	2.55255255	ug/Kg
				AROCLOR 1221	U	75	2.55255255	ug/Kg
				AROCLOR 1232	U	67	2.55255255	ug/Kg
				AROCLOR 1242	U	60	2.55255255	ug/Kg
				AROCLOR 1248	U	82	2.55255255	ug/Kg
				AROCLOR 1254	U	82	2.55255255	ug/Kg
				AROCLOR 1260	U	82	2.55255255	ug/Kg
		8260B		1,2-DICHLOROETHENE (TOTAL)	U	15	7.50750751	ug/Kg
LL6SW-096-5871-SW	240-14026-2	6020	AQ	ZINC	U	40	10	ug/L
		8082		AROCLOR 1016	U	0.48	0.05	ug/L
				AROCLOR 1221	U	0.48	0.05	ug/L
				AROCLOR 1232	U	0.48	0.05	ug/L
				AROCLOR 1242	U	0.48	0.05	ug/L
				AROCLOR 1248	U	0.48	0.05	ug/L
				AROCLOR 1254	U	0.48	0.05	ug/L
				AROCLOR 1260	U	0.48	0.05	ug/L
		8260B		1,2-DICHLOROETHENE (TOTAL)	U	2.0	1	ug/L
		8330B		2,4-DINITROTOLUENE	U	0.13	0.1	ug/L
				2,6-DINITROTOLUENE	U	0.13	0.1	ug/L
				2-NITROTOLUENE	U	0.51	0.2	ug/L
				3-NITROTOLUENE	U	0.51	0.2	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: 240-14026-1 **Lab ID:** TA SAC

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SW-096-5871-SW	240-14026-2	8330B	AQ	4-NITROTOLUENE	U	0.51	0.2	ug/L
				Nitroglycerin	U	0.66	0.65	ug/L
				PETN	U	0.66	0.65	ug/L
PBA08-QC-6244-TB	240-14026-1	8260B	AQ	1,2-DICHLOROETHENE (TOTAL)	U	2.0	1	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 320-2943 **Analysis Method :** WS-WC-0050 **Analysis Date :** 08/23/2012

Preparation Batch : 320-2943 **Preparation Type :** METHOD **Preparation Date :** 08/23/2012

Lab Reporting Batch : 240-14026-1 **Lab ID:** TA SAC

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL5SD-086-5872-SDMS	240-14026-4MS	SO	Nitrocellulose	33		10.00	34.00	115.00	71.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
LL11SD-096-5874-SD	240-14026-5
LL5SD-086-5872-SD	240-14026-4
LL6SD-096-5870-SD	240-14026-3

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: ***172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI***

Surrogate Recovery Outlier Report

Lab Report Batch: 240-14026-1 **Lab ID:** TA CAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
LL11SD-096-5874-SD	240-14026-5	8260B	1	SO	4-Bromofluorobenzene	79	85.0	120.0	10.0	All Target
LL5SD-086-5872-SD	240-14026-4	8260B	1	SO	4-Bromofluorobenzene	81	85.0	120.0	10.0	All Target
LL6SD-096-5870-SD	240-14026-3	8260B	1	SO	4-Bromofluorobenzene	83	85.0	120.0	10.0	All Target

EDD Summary Report by Client Sample ID

Laboratory Reporting Batch : 240-14026-1 **Laboratory :** TA CAN **Lab Report Date :** 10/12/2012

Client Sample ID	Lab Sample ID	Analysis Method	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
LL11SD-096-5874-SD	240-14026-5	6020	RE2/TOT	3050B	SO	08/09/2012	08/09/2012	08/29/2012	09/04/2012
		6020	RES/TOT	3050B	SO	08/09/2012	08/09/2012	08/29/2012	09/04/2012
		7471A	RES/TOT	7471A	SO	08/09/2012	08/09/2012	08/29/2012	08/30/2012
		8081A	RES	3540C	SO	08/09/2012	08/09/2012	08/20/2012	08/23/2012
		8082	RES	3540C	SO	08/09/2012	08/09/2012	08/20/2012	08/23/2012
		8260B	RES	METHOD	SO	08/09/2012	08/09/2012	08/11/2012	08/11/2012
		8270C	RES	3540C	SO	08/09/2012	08/09/2012	08/21/2012	09/10/2012
		8330B	RE2/WET	8330B	SO	08/09/2012	08/09/2012	08/17/2012	08/28/2012
		8330B	RES/WET	8330B	SO	08/09/2012	08/09/2012	08/17/2012	08/28/2012
		8330M	RES/WET	METHOD	SO	08/09/2012	08/09/2012	08/17/2012	08/21/2012
		WS-WC-0050	RES/TOT	METHOD	SO	08/09/2012	08/09/2012	08/23/2012	08/23/2012
LL5SD-086-5872-SD	240-14026-4	6020	RE2/TOT	3050B	SO	08/09/2012	08/09/2012	08/29/2012	09/04/2012
		6020	RES/TOT	3050B	SO	08/09/2012	08/09/2012	08/29/2012	09/04/2012
		7471A	RES/TOT	7471A	SO	08/09/2012	08/09/2012	08/29/2012	08/30/2012
		8081A	RES	3540C	SO	08/09/2012	08/09/2012	08/20/2012	08/23/2012
		8082	RES	3540C	SO	08/09/2012	08/09/2012	08/20/2012	08/23/2012
		8260B	RES	METHOD	SO	08/09/2012	08/09/2012	08/11/2012	08/11/2012
		8270C	RES	3540C	SO	08/09/2012	08/09/2012	08/21/2012	09/10/2012
		8330B	RES/WET	8330B	SO	08/09/2012	08/09/2012	08/17/2012	08/28/2012
		8330B	RE2/WET	8330B	SO	08/09/2012	08/09/2012	08/17/2012	08/28/2012
		8330M	RES/WET	METHOD	SO	08/09/2012	08/09/2012	08/17/2012	08/21/2012
		WS-WC-0050	RES/TOT	METHOD	SO	08/09/2012	08/09/2012	08/23/2012	08/23/2012
LL6SD-096-5870-SD	240-14026-3	6020	RES/TOT	3050B	SO	08/09/2012	08/09/2012	08/29/2012	09/04/2012
		7471A	RES/TOT	7471A	SO	08/09/2012	08/09/2012	08/29/2012	08/30/2012
		8081A	RES	3540C	SO	08/09/2012	08/09/2012	08/20/2012	08/23/2012
		8082	RES	3540C	SO	08/09/2012	08/09/2012	08/20/2012	08/23/2012
		8260B	RES	METHOD	SO	08/09/2012	08/09/2012	08/11/2012	08/11/2012
		8270C	RES	3540C	SO	08/09/2012	08/09/2012	08/21/2012	09/10/2012
		8330B	RES/WET	8330B	SO	08/09/2012	08/09/2012	08/17/2012	08/28/2012

EDD Summary Report by Client Sample ID

Laboratory Reporting Batch : 240-14026-1 **Laboratory :** TA SAC **Lab Report Date :** 10/12/2012

Client Sample ID	Lab Sample ID	Analysis Method	Analysis Type	Preparation Method	Matrix	Collection Date	Receipt Date	Preparation Date	Analysis Date
LL6SD-096-5870-SD	240-14026-3	8330B	RE2/WET	8330B	SO	08/09/2012	08/09/2012	08/17/2012	08/28/2012
		8330M	RES/WET	METHOD	SO	08/09/2012	08/09/2012	08/17/2012	08/21/2012
		WS-WC-0050	RES/TOT	METHOD	SO	08/09/2012	08/09/2012	08/23/2012	08/23/2012
LL6SW-096-5871-SW	240-14026-2	6020	RES/TOT	3005A	AQ	08/09/2012	08/09/2012	08/22/2012	09/04/2012
		6020	RE2/TOT	3005A	AQ	08/09/2012	08/09/2012	08/22/2012	09/04/2012
		7470A	RES/TOT	7470A	AQ	08/09/2012	08/09/2012	08/22/2012	08/22/2012
		8081A	RES	3520C	AQ	08/09/2012	08/09/2012	08/14/2012	08/15/2012
		8082	RES	3520C	AQ	08/09/2012	08/09/2012	08/14/2012	08/15/2012
		8260B	RES	METHOD	AQ	08/09/2012	08/09/2012	08/23/2012	08/23/2012
		8270C	RES	3520C	AQ	08/09/2012	08/09/2012	08/22/2012	09/06/2012
		8330B	RES	METHOD	AQ	08/09/2012	08/09/2012	08/15/2012	08/27/2012
		8330B	RE2	METHOD	AQ	08/09/2012	08/09/2012	08/15/2012	08/28/2012
		8330M	RES	METHOD	AQ	08/09/2012	08/09/2012	08/22/2012	08/24/2012
		WS-WC-0050	RES/TOT	METHOD	AQ	08/09/2012	08/09/2012	08/23/2012	08/23/2012
PBA08-QC-6244-TB	240-14026-1	8260B	RES	METHOD	AQ	08/09/2012	08/09/2012	08/23/2012	08/23/2012

Client Sample ID: LL6SW-096-5871-SW — **Lab Sample ID: 240-14026-2**

Date Collected: 08/09/12 12:00 — Matrix: Water

Date Received: 08/09/12 17:09

All OK VOCs RLs

Method: 8260B/DoD - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			08/23/12 13:28	1
Benzene	0.25	U	1.0	0.13	ug/L			08/23/12 13:28	1
Bromochloromethane	0.50	U	1.0	0.29	ug/L			08/23/12 13:28	1
Bromodichloromethane	0.25	U	1.0	0.15	ug/L			08/23/12 13:28	1
Bromoform	0.64	U	1.0	0.64	ug/L			08/23/12 13:28	1
Bromomethane	0.50	U	1.0	0.41	ug/L			08/23/12 13:28	1
2-Butanone	0.72	J	10	0.57	ug/L			08/23/12 13:28	1
Carbon disulfide	0.25	U	1.0	0.13	ug/L			08/23/12 13:28	1
Carbon tetrachloride	0.25	U	1.0	0.13	ug/L			08/23/12 13:28	1
Chlorobenzene	0.25	U	1.0	0.15	ug/L			08/23/12 13:28	1
Chloroethane	0.50	U	1.0	0.29	ug/L			08/23/12 13:28	1
Chloroform	0.25	U	1.0	0.16	ug/L			08/23/12 13:28	1
Chloromethane	0.50	U	1.0	0.30	ug/L			08/23/12 13:28	1
cis-1,3-Dichloropropene	0.25	U	1.0	0.14	ug/L			08/23/12 13:28	1
Dibromochloromethane	0.25	U	1.0	0.18	ug/L			08/23/12 13:28	1
1,2-Dibromoethane	0.25	U	1.0	0.24	ug/L			08/23/12 13:28	1
1,1-Dichloroethane	0.25	U	1.0	0.15	ug/L			08/23/12 13:28	1
1,2-Dichloroethane	0.25	U	1.0	0.22	ug/L			08/23/12 13:28	1
1,1-Dichloroethene	0.25	U	1.0	0.19	ug/L			08/23/12 13:28	1
1,2-Dichloroethene, Total	0.50	U	2.0	0.34	ug/L			08/23/12 13:28	1
1,2-Dichloropropane	0.25	U	1.0	0.18	ug/L			08/23/12 13:28	1
Ethylbenzene	0.25	U	1.0	0.17	ug/L			08/23/12 13:28	1
2-Hexanone	0.50	U	10	0.41	ug/L			08/23/12 13:28	1
Methylene Chloride	0.50	U	1.0	0.33	ug/L			08/23/12 13:28	1
4-Methyl-2-pentanone	0.50	U	10	0.32	ug/L			08/23/12 13:28	1
Styrene	0.25	U	1.0	0.11	ug/L			08/23/12 13:28	1
1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.18	ug/L			08/23/12 13:28	1
Tetrachloroethene	0.50	U	1.0	0.29	ug/L			08/23/12 13:28	1
Toluene	0.25	U	1.0	0.13	ug/L			08/23/12 13:28	1
trans-1,3-Dichloropropene	0.25	U	1.0	0.19	ug/L			08/23/12 13:28	1
1,1,1-Trichloroethane	0.25	U	1.0	0.22	ug/L			08/23/12 13:28	1
1,1,2-Trichloroethane	0.50	U	1.0	0.27	ug/L			08/23/12 13:28	1
Trichloroethene	0.25	U	1.0	0.17	ug/L			08/23/12 13:28	1
Vinyl chloride	0.25	U	1.0	0.22	ug/L			08/23/12 13:28	1
Xylenes, Total	0.75	U	2.0	0.28	ug/L			08/23/12 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*		*08/23/12 13:28*	*1*
Dibromofluoromethane (Surr)	*102*		*85 - 115*		*08/23/12 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 120*		*08/23/12 13:28*	*1*
Toluene-d8 (Surr)	*94*		*85 - 120*		*08/23/12 13:28*	*1*

SVOC RLs OK

Method: 8270C/DoD - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Acenaphthylene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Anthracene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Benzo[a]anthracene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Benzo[a]pyrene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Benzo[b]fluoranthene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Benzo[g,h,i]perylene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1

Client: Science Applications International Corp
Project/Site: PBA08 Remedial Investigation

TestAmerica Job ID: 240-14026-1

Client Sample ID: LL6SW-096-5871-SW
Date Collected: 08/09/12 12:00
Date Received: 08/09/12 17:09

Lab Sample ID: 240-14026-2
Matrix: Water

Method: 8270C/DoD - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzoic acid	9.5	U H	24	9.5	ug/L		08/22/12 11:16	09/06/12 14:53	1
Benzo[k]fluoranthene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Benzyl alcohol	0.76	U H	4.8	0.36	ug/L		08/22/12 11:16	09/06/12 14:53	1
Bis(2-chloroethoxy)methane	0.76	U H	0.95	0.30	ug/L		08/22/12 11:16	09/06/12 14:53	1
Bis(2-chloroethyl)ether	0.095	U H	0.95	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
bis (2-chloroisopropyl) ether	0.76	U H	0.95	0.38	ug/L		08/22/12 11:16	09/06/12 14:53	1
Bis(2-ethylhexyl) phthalate	0.90	J H	1.9	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
4-Bromophenyl phenyl ether	0.76	U H	1.9	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
Butyl benzyl phthalate	0.76	U H	0.95	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
Carbazole	0.76	U H	0.95	0.27	ug/L		08/22/12 11:16	09/06/12 14:53	1
4-Chloroaniline	0.76	U H	1.9	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
4-Chloro-3-methylphenol	0.76	U H	1.9	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
2-Chloronaphthalene	0.095	U H	0.95	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
2-Chlorophenol	0.76	U H	0.95	0.28	ug/L		08/22/12 11:16	09/06/12 14:53	1
4-Chlorophenyl phenyl ether	0.76	U H	1.9	0.29	ug/L		08/22/12 11:16	09/06/12 14:53	1
Chrysene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Dibenzo(a,h)anthracene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Dibenzofuran	0.095	U H	0.95	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
1,2-Dichlorobenzene	0.76	U H	0.95	0.28	ug/L		08/22/12 11:16	09/06/12 14:53	1
1,3-Dichlorobenzene	0.76	U H	0.95	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
1,4-Dichlorobenzene	0.76	U H	0.95	0.32	ug/L		08/22/12 11:16	09/06/12 14:53	1
3,3'-Dichlorobenzidine	0.76	U H	4.8	0.35	ug/L		08/22/12 11:16	09/06/12 14:53	1
2,4-Dichlorophenol	0.76	U H	1.9	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
Diethyl phthalate	0.76	U H	0.95	0.57	ug/L		08/22/12 11:16	09/06/12 14:53	1
2,4-Dimethylphenol	0.76	U H	1.9	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
Dimethyl phthalate	0.76	U H	0.95	0.28	ug/L		08/22/12 11:16	09/06/12 14:53	1
Di-n-butyl phthalate	0.76	U H	0.95	0.64	ug/L		08/22/12 11:16	09/06/12 14:53	1
4,6-Dinitro-2-methylphenol	2.3	U H	4.8	2.3	ug/L		08/22/12 11:16	09/06/12 14:53	1
2,4-Dinitrophenol	2.3	U H	4.8	2.3	ug/L		08/22/12 11:16	09/06/12 14:53	1
2,4-Dinitrotoluene	0.76	U H	4.8	0.26	ug/L		08/22/12 11:16	09/06/12 14:53	1
2,6-Dinitrotoluene	0.76	U H	4.8	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
Di-n-octyl phthalate	0.76	U H	0.95	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
Fluoranthene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Fluorene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Hexachlorobenzene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Hexachlorobutadiene	0.76	U H	0.95	0.26	ug/L		08/22/12 11:16	09/06/12 14:53	1
Hexachlorocyclopentadiene	0.76	U H	9.5	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
Hexachloroethane	0.76	U H	0.95	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
Indeno[1,2,3-cd]pyrene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Isophorone	0.76	U H	0.95	0.26	ug/L		08/22/12 11:16	09/06/12 14:53	1
2-Methylnaphthalene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
2-Methylphenol	0.76	U H	0.95	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
3-Methylphenol & 4-Methylphenol	0.76	U H	1.9	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
Naphthalene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
2-Nitroaniline	0.76	U H	1.9	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
3-Nitroaniline	0.76	U H	1.9	0.27	ug/L		08/22/12 11:16	09/06/12 14:53	1
4-Nitroaniline	0.76	U H	1.9	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1
Nitrobenzene	0.095	U H	0.95	0.038	ug/L		08/22/12 11:16	09/06/12 14:53	1
2-Nitrophenol	0.76	U H	1.9	0.27	ug/L		08/22/12 11:16	09/06/12 14:53	1
4-Nitrophenol	2.3	U H	4.8	2.3	ug/L		08/22/12 11:16	09/06/12 14:53	1
N-Nitrosodi-n-propylamine	0.76	U H	0.95	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1

Client: Science Applications International Corp
Project/Site: PBA08 Remedial Investigation

TestAmerica Job ID: 240-14026-1

Client Sample ID: LL6SW-096-5871-SW
Date Collected: 08/09/12 12:00
Date Received: 08/09/12 17:09

Lab Sample ID: 240-14026-2
Matrix: Water

Method: 8270C/DoD - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.76	U H	0.95	0.30	ug/L		08/22/12 11:16	09/06/12 14:53	1
Pentachlorophenol	2.3	U H	4.8	2.3	ug/L		08/22/12 11:16	09/06/12 14:53	1
Phenanthrene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
Phenol	0.76	U H	0.95	0.57	ug/L		08/22/12 11:16	09/06/12 14:53	1
Pyrene	0.095	U H	0.19	0.095	ug/L		08/22/12 11:16	09/06/12 14:53	1
1,2,4-Trichlorobenzene	0.76	U H	0.95	0.27	ug/L		08/22/12 11:16	09/06/12 14:53	1
2,4,5-Trichlorophenol	0.76	U H	4.8	0.29	ug/L		08/22/12 11:16	09/06/12 14:53	1
2,4,6-Trichlorophenol	0.76	U H	4.8	0.76	ug/L		08/22/12 11:16	09/06/12 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*50 - 110*	*08/22/12 11:16*	*09/06/12 14:53*	*1*
2-Fluorophenol (Surr)	*78*		*20 - 110*	*08/22/12 11:16*	*09/06/12 14:53*	*1*
Nitrobenzene-d5 (Surr)	*64*		*40 - 110*	*08/22/12 11:16*	*09/06/12 14:53*	*1*
Phenol-d5 (Surr)	*76*		*10 - 115*	*08/22/12 11:16*	*09/06/12 14:53*	*1*
Terphenyl-d14 (Surr)	*73*		*50 - 135*	*08/22/12 11:16*	*09/06/12 14:53*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*40 - 125*	*08/22/12 11:16*	*09/06/12 14:53*	*1*

Method: 8081/DOD - Organochlorine Pesticides (GC) – RLs OK

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0096	U	0.048	0.0092	ug/L		08/14/12 09:21	08/15/12 23:11	1
4,4'-DDE	0.0096	U	0.048	0.0093	ug/L		08/14/12 09:21	08/15/12 23:11	1
4,4'-DDT	0.029	U	0.048	0.015	ug/L		08/14/12 09:21	08/15/12 23:11	1
Aldrin	0.0096	U	0.048	0.0079	ug/L		08/14/12 09:21	08/15/12 23:11	1
alpha-BHC	0.0096	U	0.048	0.0067	ug/L		08/14/12 09:21	08/15/12 23:11	1
alpha-Chlordane	0.013	U	0.048	0.013	ug/L		08/14/12 09:21	08/15/12 23:11	1
beta-BHC	0.0096	U	0.048	0.0081	ug/L		08/14/12 09:21	08/15/12 23:11	1
delta-BHC	0.0096	U	0.048	0.0084	ug/L		08/14/12 09:21	08/15/12 23:11	1
Dieldrin	0.0096	U	0.048	0.0072	ug/L		08/14/12 09:21	08/15/12 23:11	1
Endosulfan I	0.013	U	0.048	0.013	ug/L		08/14/12 09:21	08/15/12 23:11	1
Endosulfan II	0.012	U	0.048	0.012	ug/L		08/14/12 09:21	08/15/12 23:11	1
Endosulfan sulfate	0.011	U	0.048	0.011	ug/L		08/14/12 09:21	08/15/12 23:11	1
Endrin	0.011	U	0.048	0.011	ug/L		08/14/12 09:21	08/15/12 23:11	1
Endrin aldehyde	0.011	U	0.048	0.011	ug/L		08/14/12 09:21	08/15/12 23:11	1
Endrin ketone	0.0096	U	0.048	0.0075	ug/L		08/14/12 09:21	08/15/12 23:11	1
gamma-BHC (Lindane)	0.0096	U	0.048	0.0062	ug/L		08/14/12 09:21	08/15/12 23:11	1
gamma-Chlordane	0.012	U	0.048	0.012	ug/L		08/14/12 09:21	08/15/12 23:11	1
Heptachlor	0.0096	U	0.048	0.0077	ug/L		08/14/12 09:21	08/15/12 23:11	1
Heptachlor epoxide	0.0096	U	0.048	0.0068	ug/L		08/14/12 09:21	08/15/12 23:11	1
Methoxychlor	0.031	U	0.096	0.031	ug/L		08/14/12 09:21	08/15/12 23:11	1
Toxaphene	0.48	U	1.9	0.31	ug/L		08/14/12 09:21	08/15/12 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*		*30 - 135*	*08/14/12 09:21*	*08/15/12 23:11*	*1*
DCB Decachlorobiphenyl	*44*		*30 - 135*	*08/14/12 09:21*	*08/15/12 23:11*	*1*
Tetrachloro-m-xylene	*62*		*25 - 140*	*08/14/12 09:21*	*08/15/12 23:11*	*1*
Tetrachloro-m-xylene	*56*		*25 - 140*	*08/14/12 09:21*	*08/15/12 23:11*	*1*

Method: 8082/DOD - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.19	U	0.48	0.16	ug/L		08/14/12 09:18	08/15/12 23:22	1
Aroclor-1221	0.19	U	0.48	0.13	ug/L		08/14/12 09:18	08/15/12 23:22	1
Aroclor-1232	0.19	U	0.48	0.15	ug/L		08/14/12 09:18	08/15/12 23:22	1

Aroclor 1242 QAPP RL = 0.2 ug/L

Client Sample ID: LL6SW-096-5871-SW
Date Collected: 08/09/12 12:00
Date Received: 08/09/12 17:09

Lab Sample ID: 240-14026-2
Matrix: Water

Method: 8082/DOD - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1242	0.38	U	0.48	0.21	ug/L		08/14/12 09:18	08/15/12 23:22	1
Aroclor-1248	0.19	U	0.48	0.096	ug/L		08/14/12 09:18	08/15/12 23:22	1
Aroclor-1254	0.19	U	0.48	0.15	ug/L		08/14/12 09:18	08/15/12 23:22	1
Aroclor-1260	0.19	U	0.48	0.16	ug/L		08/14/12 09:18	08/15/12 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*40 - 135*	*08/14/12 09:18*	*08/15/12 23:22*	*1*
DCB Decachlorobiphenyl	*53*		*40 - 135*	*08/14/12 09:18*	*08/15/12 23:22*	*1*
Tetrachloro-m-xylene	*68*		*40 - 140*	*08/14/12 09:18*	*08/15/12 23:22*	*1*
Tetrachloro-m-xylene	*75*		*40 - 140*	*08/14/12 09:18*	*08/15/12 23:22*	*1*

Method: 8330 Modified - Nitroguanidine (HPLC) - RL of

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Nitroguanidine	6.0	U	20	2.4	ug/L		08/22/12 08:57	08/24/12 14:19	1

Method: 8330B - Nitroaromatics and Nitramines (HPLC) RLs of

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-Amino-4,6-dinitrotoluene	0.20	U LOD>LOQ	0.15	0.015	ug/L		08/15/12 10:23	08/27/12 16:30	1
4-Amino-2,6-dinitrotoluene	0.10	U	0.15	0.051	ug/L		08/15/12 10:23	08/27/12 16:30	1
1,3-Dinitrobenzene	0.10	U	0.15	0.051	ug/L		08/15/12 10:23	08/27/12 16:30	1
2,4-Dinitrotoluene	0.10	U	0.13	0.051	ug/L		08/15/12 10:23	08/27/12 16:30	1
2,6-Dinitrotoluene	0.10	U	0.13	0.051	ug/L		08/15/12 10:23	08/27/12 16:30	1
HMX	0.051	U	0.15	0.037	ug/L		08/15/12 10:23	08/27/12 16:30	1
Nitrobenzene	0.10	U	0.15	0.051	ug/L		08/15/12 10:23	08/27/12 16:30	1
Nitroglycerin	0.51	U	0.66	0.34	ug/L		08/15/12 10:23	08/27/12 16:30	1
2-Nitrotoluene	0.10	U	0.51	0.090	ug/L		08/15/12 10:23	08/27/12 16:30	1
3-Nitrotoluene	0.10	U	0.51	0.058	ug/L		08/15/12 10:23	08/27/12 16:30	1
4-Nitrotoluene	0.10	U	0.51	0.090	ug/L		08/15/12 10:23	08/27/12 16:30	1
PETN	0.51	U	0.66	0.31	ug/L		08/15/12 10:23	08/27/12 16:30	1
RDX	0.051	U	0.15	0.037	ug/L		08/15/12 10:23	08/27/12 16:30	1
Tetryl	0.10	U	0.15	0.051	ug/L		08/15/12 10:23	08/27/12 16:30	1
1,3,5-Trinitrobenzene	0.051	U	0.15	0.032	ug/L		08/15/12 10:23	08/28/12 21:03	1
2,4,6-Trinitrotoluene	0.10	U	0.15	0.051	ug/L		08/15/12 10:23	08/27/12 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
3,4-Dinitrotoluene	*90*	*M*	*79 - 111*	*08/15/12 10:23*	*08/27/12 16:30*	*1*
3,4-Dinitrotoluene	*105*		*79 - 111*	*08/15/12 10:23*	*08/28/12 21:03*	*1*

Method: 6020/DOD - Metals (ICP/MS) - Total Recoverable Al, Zn are ND > QAPP RL

Analyte	QAPP RL	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	60	U	60	20	ug/L		08/22/12 07:45	09/04/12 10:37	1
Antimony		0.45	J	2.0	0.21	ug/L		08/22/12 07:45	09/04/12 10:37	1
Arsenic		1.2	J	5.0	0.44	ug/L		08/22/12 07:45	09/04/12 10:37	1
Barium		13		5.0	1.6	ug/L		08/22/12 07:45	09/04/12 10:37	1
Beryllium		0.27	J	1.0	0.033	ug/L		08/22/12 07:45	09/04/12 13:45	1
Cadmium	0.5	0.17	J	2.0	0.023	ug/L		08/22/12 07:45	09/04/12 13:45	1
Chromium		1.5	U	2.0	0.53	ug/L		08/22/12 07:45	09/04/12 10:37	1
Cobalt		0.35	J	1.0	0.030	ug/L		08/22/12 07:45	09/04/12 13:45	1
Copper		4.0	U	4.0	1.4	ug/L		08/22/12 07:45	09/04/12 10:37	1
Iron	100	170		150	44	ug/L		08/22/12 07:45	09/04/12 10:37	1
Lead		0.50	U	1.0	0.20	ug/L		08/22/12 07:45	09/04/12 10:37	1
Magnesium	100	5000		1000	120	ug/L		08/22/12 07:45	09/04/12 10:37	1

Client: Science Applications International Corp
Project/Site: PBA08 Remedial Investigation

TestAmerica Job ID: 240-14026-1

Client Sample ID: LL6SW-096-5871-SW
Date Collected: 08/09/12 12:00
Date Received: 08/09/12 17:09

Lab Sample ID: 240-14026-2
Matrix: Water

Method: 6020/DOD - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	26000		2000	540	ug/L		08/22/12 07:45	09/04/12 10:37	1
Manganese	34		5.0	1.1	ug/L		08/22/12 07:45	09/04/12 10:37	1
Nickel	1.5	U	5.0	0.62	ug/L		08/22/12 07:45	09/04/12 10:37	1
Potassium	1500		1000	16	ug/L		08/22/12 07:45	09/04/12 10:37	1
Selenium	0.32	J	5.0	0.20	ug/L		08/22/12 07:45	09/04/12 10:37	1
Silver	0.25	U	1.0	0.080	ug/L		08/22/12 07:45	09/04/12 10:37	1
Sodium	520	J	1000	160	ug/L		08/22/12 07:45	09/04/12 13:45	1
Thallium	0.35	J	2.0	0.32	ug/L		08/22/12 07:45	09/04/12 10:37	1
Vanadium	1.5	U	5.0	0.51	ug/L		08/22/12 07:45	09/04/12 10:37	1
Zinc	20	U	40	8.8	ug/L		08/22/12 07:45	09/04/12 10:37	1

Method: 7470A/DOD - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		08/22/12 13:15	08/22/12 16:22	1

General Chemistry

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	1.0	U	2.0	0.48	mg/L		08/23/12 06:36	08/23/12 12:52	1

Client Sample Results

Client: Science Applications International Corp
Project/Site: PBA08 Remedial Investigation

TestAmerica Job ID: 240-14026-1

Client Sample ID: LL6SD-096-5870-SD — **Lab Sample ID: 240-14026-3**

Date Collected: 08/09/12 12:10 — Matrix: Solid

Date Received: 08/09/12 17:09 — Percent Solids: 66.6

OK LOD < QAPP RLs - LOQs ↑ due to →

Method: 8260B/DoD - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.5	U	7.5	0.84	ug/Kg	☼		08/11/12 03:48	1
1,1,2,2-Tetrachloroethane	0.75	U	7.5	0.51	ug/Kg	☼		08/11/12 03:48	1
1,1,2-Trichloroethane	0.75	U	7.5	0.59	ug/Kg	☼		08/11/12 03:48	1
1,1-Dichloroethane	0.75	U	7.5	0.54	ug/Kg	☼		08/11/12 03:48	1
1,1-Dichloroethene	1.5	U	7.5	0.78	ug/Kg	☼		08/11/12 03:48	1
1,2-Dichloroethane	0.75	U	7.5	0.51	ug/Kg	☼		08/11/12 03:48	1
1,2-Dichloroethene, Total	1.5	U	15	1.2	ug/Kg	☼		08/11/12 03:48	1
1,2-Dichloropropane	1.5	U	7.5	1.0	ug/Kg	☼		08/11/12 03:48	1
2-Butanone	5.3	J	30	2.1	ug/Kg	☼		08/11/12 03:48	1
2-Hexanone	1.5	U	30	0.95	ug/Kg	☼		08/11/12 03:48	1
4-Methyl-2-pentanone	1.5	U	30	0.81	ug/Kg	☼		08/11/12 03:48	1
Acetone	41		30	9.5	ug/Kg	☼		08/11/12 03:48	1
Benzene	0.75	U	7.5	0.35	ug/Kg	☼		08/11/12 03:48	1
Bromoform	0.75	U	7.5	0.50	ug/Kg	☼		08/11/12 03:48	1
Bromomethane	1.5	U	7.5	0.81	ug/Kg	☼		08/11/12 03:48	1
Carbon disulfide	0.75	U	7.5	0.66	ug/Kg	☼		08/11/12 03:48	1
Carbon tetrachloride	0.75	U	7.5	0.56	ug/Kg	☼		08/11/12 03:48	1
Chlorobenzene	0.75	U	7.5	0.50	ug/Kg	☼		08/11/12 03:48	1
Chloromethane	0.75	U	7.5	0.62	ug/Kg	☼		08/11/12 03:48	1
cis-1,3-Dichloropropene	0.75	U	7.5	0.51	ug/Kg	☼		08/11/12 03:48	1
Dibromochloromethane	1.5	U	7.5	0.83	ug/Kg	☼		08/11/12 03:48	1
Bromodichloromethane	0.75	U	7.5	0.42	ug/Kg	☼		08/11/12 03:48	1
Ethylbenzene	0.75	U	7.5	0.39	ug/Kg	☼		08/11/12 03:48	1
Methylene Chloride	2.3	J	7.5	1.0	ug/Kg	☼		08/11/12 03:48	1
Styrene	0.75	U	7.5	0.23	ug/Kg	☼		08/11/12 03:48	1
Tetrachloroethene	1.5	U	7.5	0.78	ug/Kg	☼		08/11/12 03:48	1
Toluene	0.75	U	7.5	0.41	ug/Kg	☼		08/11/12 03:48	1
trans-1,3-Dichloropropene	1.5	U	7.5	0.81	ug/Kg	☼		08/11/12 03:48	1
Trichloroethene	0.75	U	7.5	0.63	ug/Kg	☼		08/11/12 03:48	1
Vinyl chloride	0.75	U	7.5	0.59	ug/Kg	☼		08/11/12 03:48	1
Xylenes, Total	2.3	U	15	1.0	ug/Kg	☼		08/11/12 03:48	1
Chloroform	0.75	U	7.5	0.44	ug/Kg	☼		08/11/12 03:48	1
Bromochloromethane	1.5	U	7.5	1.1	ug/Kg	☼		08/11/12 03:48	1
1,2-Dibromoethane	1.5	U	7.5	0.75	ug/Kg	☼		08/11/12 03:48	1
Chloroethane	1.5	U	7.5	1.3	ug/Kg	☼		08/11/12 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*85 - 115*		*08/11/12 03:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*61 - 130*		*08/11/12 03:48*	*1*
4-Bromofluorobenzene (Surr)	*83*	*Q*	*85 - 120*		*08/11/12 03:48*	*1*
Dibromofluoromethane (Surr)	*90*		*59 - 138*		*08/11/12 03:48*	*1*

Method: 8270C/DoD - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Acenaphthylene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Anthracene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Benzo[a]anthracene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Benzoic acid	490	U	980	490	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Benzo[b]fluoranthene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Benzo[k]fluoranthene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1

Client: Science Applications International Corp
Project/Site: PBA08 Remedial Investigation

TestAmerica Job ID: 240-14026-1

Client Sample ID: LL6SD-096-5870-SD
Date Collected: 08/09/12 12:10
Date Received: 08/09/12 17:09

Lab Sample ID: 240-14026-3
Matrix: Solid
Percent Solids: 66.6

Method: 8270C/DoD - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	40	U	490	31	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Bis(2-chloroethoxy)methane	40	U	150	33	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Bis(2-chloroethyl)ether	4.9	U	150	3.0	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
4-Bromophenyl phenyl ether	40	U	74	19	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Butyl benzyl phthalate	40	U	74	15	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2,4-Dimethylphenol	120	U	220	30	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Dimethyl phthalate	40	U	74	25	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
4,6-Dinitro-2-methylphenol	120	U	220	120	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2,4-Dinitrophenol	120	U	490	120	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2,4-Dinitrotoluene	40	U	300	40	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2,6-Dinitrotoluene	40	U	300	31	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Fluoranthene	9.8	J	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Fluorene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Hexachlorobenzene	4.9	U	9.9	3.1	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Hexachlorobutadiene	40	U	74	40	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Hexachlorocyclopentadiene	40	U	490	40	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Hexachloroethane	40	U	74	13	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
N-Nitrosodiphenylamine	40	U	74	31	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
N-Nitrosodi-n-propylamine	40	U	74	40	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
1,4-Dichlorobenzene	40	U	74	30	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2-Chloronaphthalene	4.9	U	74	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2-Chlorophenol	40	U	74	40	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
4-Chlorophenyl phenyl ether	40	U	74	19	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Chrysene	4.9	U	9.9	1.6	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Dibenzo(a,h)anthracene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Dibenzofuran	4.9	U	74	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Benzo[g,h,i]perylene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Benzo[a]pyrene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Di-n-butyl phthalate	40	U	74	22	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
1,2-Dichlorobenzene	40	U	74	14	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
1,3-Dichlorobenzene	40	U	74	16	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
3,3'-Dichlorobenzidine	120	U	150	27	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2,4-Dichlorophenol	40	U	220	30	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Diethyl phthalate	40	U	74	24	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Indeno[1,2,3-cd]pyrene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Isophorone	40	U	74	19	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2-Methylnaphthalene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2-Methylphenol	120	U	300	120	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Naphthalene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2-Nitroaniline	40	U	300	13	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
3-Nitroaniline	120	U	300	24	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
4-Nitroaniline	40	U	300	39	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Nitrobenzene	4.9	U	150	3.3	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2-Nitrophenol	40	U	74	40	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
4-Nitrophenol	120	U	490	120	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Pyrene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Pentachlorophenol	120	U	220	120	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Phenanthrene	4.9	U	9.9	4.9	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
1,2,4-Trichlorobenzene	40	U	74	40	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2,4,5-Trichlorophenol	40	U	220	37	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
2,4,6-Trichlorophenol	120	U	220	120	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1

Client: Science Applications International Corp
Project/Site: PBA08 Remedial Investigation

TestAmerica Job ID: 240-14026-1

Client Sample ID: LL6SD-096-5870-SD
Date Collected: 08/09/12 12:10
Date Received: 08/09/12 17:09

Lab Sample ID: 240-14026-3
Matrix: Solid
Percent Solids: 66.6

Method: 8270C/DoD - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	40	U	74	40	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Carbazole	40	U	74	40	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
4-Chloroaniline	40	U	220	25	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
3-Methylphenol & 4-Methylphenol	120	U	590	30	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Bis(2-ethylhexyl) phthalate	40	U	74	28	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
Di-n-octyl phthalate	40	U	74	40	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
4-Chloro-3-methylphenol	40	U	220	31	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1
bis (2-chloroisopropyl) ether	40	U	150	14	ug/Kg	☼	08/21/12 11:40	09/10/12 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*45 - 105*	*08/21/12 11:40*	*09/10/12 12:19*	*1*
2-Fluorophenol (Surr)	*71*		*35 - 105*	*08/21/12 11:40*	*09/10/12 12:19*	*1*
Nitrobenzene-d5 (Surr)	*58*		*35 - 100*	*08/21/12 11:40*	*09/10/12 12:19*	*1*
Terphenyl-d14 (Surr)	*78*		*30 - 125*	*08/21/12 11:40*	*09/10/12 12:19*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*35 - 125*	*08/21/12 11:40*	*09/10/12 12:19*	*1*
Phenol-d5 (Surr)	*77*		*40 - 100*	*08/21/12 11:40*	*09/10/12 12:19*	*1*

All ~~LOQs~~ LODs > QAPP RLs due to 5x DF

Method: 8081/DOD - Organochlorine Pesticides (GC)

All LODs > except Methoxychlor

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	5.0	U	15	4.6	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
4,4'-DDE	5.0	U	13	2.9	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
4,4'-DDT	5.0	U	15	4.7	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Aldrin	10	U	30	9.0	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
alpha-BHC	10	U	19	5.5	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
alpha-Chlordane	10	U	22	7.0	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
beta-BHC	10	U	26	8.2	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
delta-BHC	10	U	30	9.0	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Dieldrin	5.0	U	13	3.5	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Endosulfan I	5.0	U	13	3.9	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Endosulfan II	10	U	19	6.1	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Endosulfan sulfate	10	U	22	6.5	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Endrin	5.0	U	13	3.7	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Endrin aldehyde	10	U	22	7.5	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Endrin ketone	5.0	U	15	4.7	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
gamma-BHC (Lindane)	10	U	19	5.5	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
gamma-Chlordane	5.0	U	13	3.1	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Heptachlor	10	U	26	8.2	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Heptachlor epoxide	10	U	19	6.0	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Methoxychlor	25	U	37	11	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5
Toxaphene	150	U	500	140	ug/Kg	☼	08/20/12 12:34	08/23/12 03:54	5

(170 QAPP)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*55 - 130*	*08/20/12 12:34*	*08/23/12 03:54*	*5*
DCB Decachlorobiphenyl	*87*		*55 - 130*	*08/20/12 12:34*	*08/23/12 03:54*	*5*
Tetrachloro-m-xylene	*80*		*70 - 125*	*08/20/12 12:34*	*08/23/12 03:54*	*5*
Tetrachloro-m-xylene	*79*		*70 - 125*	*08/20/12 12:34*	*08/23/12 03:54*	*5*

All LODs > QAPP RLs due to %solids. 33 vs 37

Method: 8082/DOD - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	37	U	97	31	ug/Kg	☼	08/20/12 12:57	08/23/12 11:01	1
Aroclor-1221	37	U	75	24	ug/Kg	☼	08/20/12 12:57	08/23/12 11:01	1
Aroclor-1232	37	U	67	21	ug/Kg	☼	08/20/12 12:57	08/23/12 11:01	1

(33)

Client Sample ID: LL6SD-096-5870-SD
Date Collected: 08/09/12 12:10
Date Received: 08/09/12 17:09

Lab Sample ID: 240-14026-3
Matrix: Solid
Percent Solids: 66.6

Method: 8082/DOD - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1242	37	U	60	19	ug/Kg	☼	08/20/12 12:57	08/23/12 11:01	1
Aroclor-1248	37	U	82	25	ug/Kg	☼	08/20/12 12:57	08/23/12 11:01	1
Aroclor-1254	37	U	82	25	ug/Kg	☼	08/20/12 12:57	08/23/12 11:01	1
Aroclor-1260	37	U	82	25	ug/Kg	☼	08/20/12 12:57	08/23/12 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*64*		*40 - 140*	*08/20/12 12:57*	*08/23/12 11:01*	*1*
Tetrachloro-m-xylene	*64*		*40 - 140*	*08/20/12 12:57*	*08/23/12 11:01*	*1*
DCB Decachlorobiphenyl	*80*		*60 - 125*	*08/20/12 12:57*	*08/23/12 11:01*	*1*
DCB Decachlorobiphenyl	*79*		*60 - 125*	*08/20/12 12:57*	*08/23/12 11:01*	*1*

Method: 8330 Modified - Nitroguanidine (HPLC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Nitroguanidine	0.039	U	0.25	0.020	mg/Kg		08/17/12 06:46	08/21/12 18:28	1

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-Amino-4,6-dinitrotoluene	0.049	U	0.24	0.012	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
4-Amino-2,6-dinitrotoluene	0.049	U	0.24	0.0097	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
1,3-Dinitrobenzene	0.049	U	0.24	0.0041	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
2,4-Dinitrotoluene	0.049	U	0.24	0.0052	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
2,6-Dinitrotoluene	0.049	U	0.24	0.0071	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
HMX	0.049	U	0.24	0.012	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
Nitrobenzene	0.049	U	0.24	0.017	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
Nitroglycerin	0.24	U	0.49	0.015	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
2-Nitrotoluene	0.049	U	0.24	0.013	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
3-Nitrotoluene	0.049	U	0.24	0.015	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
4-Nitrotoluene	0.049	U	0.24	0.018	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
PETN	0.24	U	0.49	0.024	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
RDX	0.049	U	0.24	0.012	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
Tetryl	0.049	U	0.24	0.0097	mg/Kg		08/17/12 06:31	08/28/12 00:05	1
1,3,5-Trinitrobenzene	0.049	U	0.24	0.0097	mg/Kg		08/17/12 06:31	08/28/12 15:36	1
2,4,6-Trinitrotoluene	0.049	U	0.24	0.019	mg/Kg		08/17/12 06:31	08/28/12 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
3,4-Dinitrotoluene	*93*		*78 - 118*	*08/17/12 06:31*	*08/28/12 00:05*	*1*
3,4-Dinitrotoluene	*107*		*78 - 118*	*08/17/12 06:31*	*08/28/12 15:36*	*1*

Method: 6020/DOD - Metals (ICP/MS)

No results ND > QAPP RL

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	3.1	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Antimony	0.37		0.25	0.077	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Arsenic	3.5		0.62	0.065	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Barium	53		0.62	0.16	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Beryllium	0.51		0.12	0.0043	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Cadmium	0.075	J	0.25	0.0038	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Calcium	1300		250	50	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Chromium	15		0.62	0.20	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Cobalt	5.9		0.12	0.0056	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Copper	25		0.50	0.14	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Iron	18000		62	14	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Lead	27		0.37	0.088	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1

Client: Science Applications International Corp
Project/Site: PBA08 Remedial Investigation

TestAmerica Job ID: 240-14026-1

Client Sample ID: LL6SD-096-5870-SD
Date Collected: 08/09/12 12:10
Date Received: 08/09/12 17:09

Lab Sample ID: 240-14026-3
Matrix: Solid
Percent Solids: 66.6

Method: 6020/DOD - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2100		10 120	11	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Manganese	160		0.62	0.20	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Nickel	13		0.62	0.11	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Potassium	930		20 120	4.7	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Selenium	0.87		0.5 0.62	0.026	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Silver	0.037	J	0.12	0.020	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Sodium	24	J	20 120	17	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Thallium	0.15	J	0.2 0.25	0.070	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Vanadium	27		0.62	0.054	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1
Zinc	37		1 5.0	1.2	mg/Kg	☼	08/29/12 12:50	09/04/12 12:52	1

Method: 7471/DOD - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045	U	0.1 0.14	0.019	mg/Kg	☼	08/29/12 15:05	08/30/12 08:08	1

General Chemistry

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	2.7	U	7.4	1.1	mg/Kg	☼	08/23/12 06:38	08/23/12 13:10	1

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0054027 **Analysis Method :** 8270C **Analysis Date :** 03/02/2010

Preparation Batch : 0054027 **Preparation Type :** 3540C **Preparation Date :** 02/23/2010

Lab Reporting Batch : A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
B12SS-036M-5038-SOM	A0B180429001S	SO	Acenaphthene	44		0.00	45.00	110.00	44.00
			Anthracene	49		0.00	55.00	105.00	30.00
			Benz[a]anthracene	48		0.00	50.00	110.00	30.00
			Benzo[a]pyrene	41		0.00	50.00	110.00	30.00
			Chrysene	48		0.00	55.00	110.00	30.00
			Fluorene	46		0.00	50.00	110.00	29.00
			Phenanthrene	48		0.00	50.00	110.00	20.00
B12SS-036M-5038-SOM	A0B180429001D		Phenanthrene		27	0.00	50.00	110.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
B12SS-036M-5038-SO	A0B180429001

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
ATASS-015M-5036-SO	A0B180429012	8081A	SO	4,4'-DDD	U	4.1	4.07747197	ug/kg
				4,4'-DDE	U	3.5	3.46585117	ug/kg
				4,4'-DDT	U	4.1	4.07747197	ug/kg
				Aldrin	U	8.2	8.15494393	ug/kg
				alpha-BHC	U	5.1	5.09683996	ug/kg
				delta-BHC	U	8.2	8.15494393	ug/kg
				Dieldrin	U	3.5	3.46585117	ug/kg
				Endosulfan I	U	3.5	3.46585117	ug/kg
				Endosulfan II	U	5.1	5.09683996	ug/kg
				Endrin	U	3.5	3.46585117	ug/kg
				Endrin ketone	U	4.1	4.07747197	ug/kg
				gamma-BHC (Lindane)	U	5.1	5.09683996	ug/kg
				gamma-Chlordane	U	3.5	3.46585117	ug/kg
				Heptachlor epoxide	U	5.1	5.09683996	ug/kg
				Toxaphene	U	140	136.595311	ug/kg
		8082		Aroclor 1016	U	34	1.73292559	ug/kg
				Aroclor 1221	U	34	1.73292559	ug/kg
				Aroclor 1232	U	34	1.73292559	ug/kg
				Aroclor 1242	U	34	1.73292559	ug/kg
				Aroclor 1248	U	34	1.73292559	ug/kg
				Aroclor 1254	U	34	1.73292559	ug/kg
				Aroclor 1260	U	34	1.73292559	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	340	336.391437	ug/kg
				1,2-Dichlorobenzene	U	340	336.391437	ug/kg
				1,3-Dichlorobenzene	U	340	336.391437	ug/kg
				1,4-Dichlorobenzene	U	340	336.391437	ug/kg
				2,4,5-Trichlorophenol	U	340	336.391437	ug/kg
				2,4,6-Trichlorophenol	U	340	336.391437	ug/kg
				2,4-Dichlorophenol	U	340	336.391437	ug/kg
				2,4-Dimethylphenol	U	340	336.391437	ug/kg
				2,4-Dinitrophenol	U	820	815.494393	ug/kg
				2,4-Dinitrotoluene	U	340	336.391437	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
ATASS-015M-5036-SO	A0B180429012	8270C	SO	2,6-Dinitrotoluene	U	340	336.391437	ug/kg
				2-Chloronaphthalene	U	340	336.391437	ug/kg
				2-Chlorophenol	U	340	336.391437	ug/kg
				2-Methylphenol	U	340	336.391437	ug/kg
				2-Nitroaniline	U	820	815.494393	ug/kg
				2-Nitrophenol	U	340	336.391437	ug/kg
				3,3'-Dichlorobenzidine	U	340	336.391437	ug/kg
				3-methylphenol/4-methylphenol	U	340	#Error	ug/kg
				3-Nitroaniline	U	820	815.494393	ug/kg
				4,6-Dinitro-2-methylphenol	U	820	815.494393	ug/kg
				4-Bromophenyl phenyl ether	U	340	336.391437	ug/kg
				4-Chloro-3-methylphenol	U	340	336.391437	ug/kg
				4-Chloroaniline	U	340	336.391437	ug/kg
				4-Chlorophenyl phenyl ether	U	340	336.391437	ug/kg
				4-Nitroaniline	U	820	815.494393	ug/kg
				4-Nitrophenol	U	820	815.494393	ug/kg
				Acenaphthene	U	51	50.9683996	ug/kg
				Acenaphthylene	U	51	50.9683996	ug/kg
				Anthracene	U	51	50.9683996	ug/kg
				Benz[a]anthracene	U	51	50.9683996	ug/kg
				Benzo[a]pyrene	U	51	50.9683996	ug/kg
				Benzo[b]fluoranthene	U	51	50.9683996	ug/kg
				Benzo[g,h,i]perylene	U	51	50.9683996	ug/kg
				Benzo[k]fluoranthene	U	51	50.9683996	ug/kg
				Benzoic acid	U	820	815.494393	ug/kg
				Benzyl alcohol	U	340	336.391437	ug/kg
				bis(2-Chloroethoxy)methane	U	340	336.391437	ug/kg
				bis(2-Chloroethyl) ether	U	340	336.391437	ug/kg
				Bis(2-chloroisopropyl) ether	U	340	336.391437	ug/kg
				Butyl benzyl phthalate	U	340	336.391437	ug/kg
				Carbazole	U	51	50.9683996	ug/kg
				Chrysene	U	51	50.9683996	ug/kg
				dibenz[a,h]anthracene	U	51	50.9683996	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
ATASS-015M-5036-SO	A0B180429012	8270C	SO	Dibenzofuran	U	340	336.391437	ug/kg
				Diethyl phthalate	U	340	336.391437	ug/kg
				Dimethyl phthalate	U	340	336.391437	ug/kg
				Di-n-butyl phthalate	U	340	336.391437	ug/kg
				Di-n-octyl phthalate	U	340	336.391437	ug/kg
				Fluoranthene	U	51	50.9683996	ug/kg
				Fluorene	U	51	50.9683996	ug/kg
				Hexachlorobenzene	U	340	336.391437	ug/kg
				Hexachlorobutadiene	U	340	336.391437	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	340	#Error	ug/kg
				Hexachloroethane	U	340	336.391437	ug/kg
				Indeno[1,2,3-cd]pyrene	U	51	50.9683996	ug/kg
				Isophorone	U	340	336.391437	ug/kg
				Nitrobenzene	U	340	336.391437	ug/kg
				N-Nitrosodi-n-propylamine	U	340	336.391437	ug/kg
				N-Nitrosodiphenylamine	U	340	336.391437	ug/kg
				Pentachlorophenol	U	340	336.391437	ug/kg
				Phenanthrene	U	51	50.9683996	ug/kg
				Phenol	U	340	336.391437	ug/kg
				Pyrene	U	51	336.391437	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.01009174	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.25229358	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.25229358	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.25229358	mg/kg
				2-Nitrotoluene	U	0.25	0.25229358	mg/kg
				3-Nitrotoluene	U	0.25	0.25229358	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				4-Nitrotoluene	U	0.50	0.50458716	mg/kg
				Nitrobenzene	U	0.25	0.25229358	mg/kg
ATASS-015M-5036-SO(V	A0B180429013	8260B	SO	1,1,1-Trichloroethane	U	6.7	6.66666667	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
ATASS-015M-5036-SO(V	A0B180429013	8260B	SO	1,1,2,2-Tetrachloroethane	U	6.7	6.66666667	ug/kg
				1,1,2-Trichloroethane	U	6.7	6.66666667	ug/kg
				1,1-Dichloroethane	U	6.7	6.66666667	ug/kg
				1,1-Dichloroethene	U	6.7	6.66666667	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	6.7	6.66666667	ug/kg
				1,2-Dichloroethane	U	6.7	6.66666667	ug/kg
				1,2-Dichloroethene (total)	U	6.7	6.66666667	ug/kg
				1,2-Dichloropropane	U	6.7	6.66666667	ug/kg
				2-Butanone (MEK)	U	27	26.6666667	ug/kg
				2-Hexanone	U	27	26.6666667	ug/kg
				4-methyl-2-pentanone (MIBK)	U	27	26.6666667	ug/kg
				Acetone	U	27	26.6666667	ug/kg
				Benzene	U	6.7	6.66666667	ug/kg
				Bromochloromethane	U	6.7	6.66666667	ug/kg
				Bromodichloromethane	U	6.7	6.66666667	ug/kg
				Bromoform	U	6.7	6.66666667	ug/kg
				Bromomethane (Methyl bromide)	U	6.7	6.66666667	ug/kg
				Carbon disulfide	U	6.7	6.66666667	ug/kg
				Carbon tetrachloride	U	6.7	6.66666667	ug/kg
				Chlorobenzene	U	6.7	6.66666667	ug/kg
				Chlorodibromomethane	U	6.7	6.66666667	ug/kg
				Chloroethane	U	6.7	6.66666667	ug/kg
				Chloroform	U	6.7	6.66666667	ug/kg
				Chloromethane	U	6.7	6.66666667	ug/kg
				cis-1,3-Dichloropropene	U	6.7	6.66666667	ug/kg
				Ethylbenzene	U	6.7	6.66666667	ug/kg
				Methylene chloride	U	6.7	6.66666667	ug/kg
				Styrene	U	6.7	6.66666667	ug/kg
				Tetrachloroethene	U	6.7	6.66666667	ug/kg
				trans-1,3-Dichloropropene	U	6.7	6.66666667	ug/kg
				Trichloroethene	U	6.7	6.66666667	ug/kg
				Vinyl chloride	U	6.7	6.66666667	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
ATASS-016M-5037-SO	A0B180429014	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01011236	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.25280899	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.25280899	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.25280899	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.25280899	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.25280899	mg/kg
				2-Nitrotoluene	U	0.25	0.25280899	mg/kg
				3-Nitrotoluene	U	0.25	0.25280899	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.25280899	mg/kg
				4-Nitrotoluene	U	0.50	0.50561798	mg/kg
				Nitrobenzene	U	0.25	0.25280899	mg/kg
ATASS-016M-6047-FD	A0B180429015	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01011236	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.25280899	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.25280899	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.25280899	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.25280899	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.25280899	mg/kg
				2-Nitrotoluene	U	0.25	0.25280899	mg/kg
				3-Nitrotoluene	U	0.25	0.25280899	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.25280899	mg/kg
				4-Nitrotoluene	U	0.50	0.50561798	mg/kg
				Nitrobenzene	U	0.25	0.25280899	mg/kg
B12SS-033-5041-SO	A0B180429006	7196A	SO	Chromium, hexavalent	U	1.2	1.15942029	mg/kg
B12SS-034-5042-SO	A0B180429007	7196A	SO	Chromium, hexavalent	U	1.1	1.05263158	mg/kg
B12SS-036M-5038-SO	A0B180429001	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01009174	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.25229358	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.25229358	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.25229358	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
B12SS-036M-5038-SO	A0B180429001	8330B	SO	2-Nitrotoluene	U	0.25	0.25229358	mg/kg
				3-Nitrotoluene	U	0.25	0.25229358	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				4-Nitrotoluene	U	0.50	0.50458716	mg/kg
				Nitrobenzene	U	0.25	0.25229358	mg/kg
B12SS-037M-5039-SO	A0B180429002	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01010204	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.25255102	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.25255102	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.25255102	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.25255102	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.25255102	mg/kg
				2-Nitrotoluene	U	0.25	0.25255102	mg/kg
				3-Nitrotoluene	U	0.25	0.25255102	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.25255102	mg/kg
				4-Nitrotoluene	U	0.50	0.50510204	mg/kg
				Nitrobenzene	U	0.25	0.25255102	mg/kg
B12SS-037M-6049-FD	A0B180429003	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01010204	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.25255102	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.25255102	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.25255102	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.25255102	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.25255102	mg/kg
				2-Nitrotoluene	U	0.25	0.25255102	mg/kg
				3-Nitrotoluene	U	0.25	0.25255102	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.25255102	mg/kg
				4-Nitrotoluene	U	0.50	0.50510204	mg/kg
				Nitrobenzene	U	0.25	0.25255102	mg/kg
B12SS-038M-5040-SO	A0B180429004	8081A	SO	4,4'-DDD	U	4.1	4.07747197	ug/kg
				4,4'-DDE	U	3.5	3.46585117	ug/kg
				4,4'-DDT	U	4.1	4.07747197	ug/kg
				Aldrin	U	8.2	8.15494393	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
B12SS-038M-5040-SO	A0B180429004	8081A	SO	alpha-BHC	U	5.1	5.09683996	ug/kg
				delta-BHC	U	8.2	8.15494393	ug/kg
				Dieldrin	U	3.5	3.46585117	ug/kg
				Endosulfan I	U	3.5	3.46585117	ug/kg
				Endosulfan II	U	5.1	5.09683996	ug/kg
				Endrin	U	3.5	3.46585117	ug/kg
				Endrin ketone	U	4.1	4.07747197	ug/kg
				gamma-BHC (Lindane)	U	5.1	5.09683996	ug/kg
				gamma-Chlordane	U	3.5	3.46585117	ug/kg
				Heptachlor epoxide	U	5.1	5.09683996	ug/kg
				Toxaphene	U	140	136.595311	ug/kg
		8082		Aroclor 1016	U	34	1.73292559	ug/kg
				Aroclor 1221	U	34	1.73292559	ug/kg
				Aroclor 1232	U	34	1.73292559	ug/kg
				Aroclor 1242	U	34	1.73292559	ug/kg
				Aroclor 1248	U	34	1.73292559	ug/kg
				Aroclor 1254	U	34	1.73292559	ug/kg
				Aroclor 1260	U	34	1.73292559	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	340	336.391437	ug/kg
				1,2-Dichlorobenzene	U	340	336.391437	ug/kg
				1,3-Dichlorobenzene	U	340	336.391437	ug/kg
				1,4-Dichlorobenzene	U	340	336.391437	ug/kg
				2,4,5-Trichlorophenol	U	340	336.391437	ug/kg
				2,4,6-Trichlorophenol	U	340	336.391437	ug/kg
				2,4-Dichlorophenol	U	340	336.391437	ug/kg
				2,4-Dimethylphenol	U	340	336.391437	ug/kg
				2,4-Dinitrophenol	U	820	815.494393	ug/kg
				2,4-Dinitrotoluene	U	340	336.391437	ug/kg
				2,6-Dinitrotoluene	U	340	336.391437	ug/kg
				2-Chloronaphthalene	U	340	336.391437	ug/kg
				2-Chlorophenol	U	340	336.391437	ug/kg
				2-Methylphenol	U	340	336.391437	ug/kg
				2-Nitroaniline	U	820	815.494393	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
B12SS-038M-5040-SO	A0B180429004	8270C	SO	2-Nitrophenol	U	340	336.391437	ug/kg
				3,3'-Dichlorobenzidine	U	340	336.391437	ug/kg
				3-methylphenol/4-methylphenol	U	340	#Error	ug/kg
				3-Nitroaniline	U	820	815.494393	ug/kg
				4,6-Dinitro-2-methylphenol	U	820	815.494393	ug/kg
				4-Bromophenyl phenyl ether	U	340	336.391437	ug/kg
				4-Chloro-3-methylphenol	U	340	336.391437	ug/kg
				4-Chloroaniline	U	340	336.391437	ug/kg
				4-Chlorophenyl phenyl ether	U	340	336.391437	ug/kg
				4-Nitroaniline	U	820	815.494393	ug/kg
				4-Nitrophenol	U	820	815.494393	ug/kg
				Acenaphthene	U	51	50.9683996	ug/kg
				Acenaphthylene	U	51	50.9683996	ug/kg
				Anthracene	U	51	50.9683996	ug/kg
				Benz[a]anthracene	U	51	50.9683996	ug/kg
				Benzo[a]pyrene	U	51	50.9683996	ug/kg
				Benzo[g,h,i]perylene	U	51	50.9683996	ug/kg
				Benzo[k]fluoranthene	U	51	50.9683996	ug/kg
				Benzoic acid	U	820	815.494393	ug/kg
				bis(2-Chloroethoxy)methane	U	340	336.391437	ug/kg
				bis(2-Chloroethyl) ether	U	340	336.391437	ug/kg
				Bis(2-chloroisopropyl) ether	U	340	336.391437	ug/kg
				Butyl benzyl phthalate	U	340	336.391437	ug/kg
				Carbazole	U	51	50.9683996	ug/kg
				dibenz[a,h]anthracene	U	51	50.9683996	ug/kg
				Dibenzofuran	U	340	336.391437	ug/kg
				Diethyl phthalate	U	340	336.391437	ug/kg
				Dimethyl phthalate	U	340	336.391437	ug/kg
				Di-n-butyl phthalate	U	340	336.391437	ug/kg
				Di-n-octyl phthalate	U	340	336.391437	ug/kg
				Fluorene	U	51	50.9683996	ug/kg
				Hexachlorobenzene	U	340	336.391437	ug/kg
				Hexachlorobutadiene	U	340	336.391437	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
B12SS-038M-5040-SO	A0B180429004	8270C	SO	HEXACHLOROCYCLOPENTADIE	U	340	#Error	ug/kg
				Hexachloroethane	U	340	336.391437	ug/kg
				Indeno[1,2,3-cd]pyrene	U	51	50.9683996	ug/kg
				Isophorone	U	340	336.391437	ug/kg
				Nitrobenzene	U	340	336.391437	ug/kg
				N-Nitrosodi-n-propylamine	U	340	336.391437	ug/kg
				N-Nitrosodiphenylamine	U	340	336.391437	ug/kg
				Pentachlorophenol	U	340	336.391437	ug/kg
				Phenol	U	340	336.391437	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.01009174	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.25229358	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.25229358	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.25229358	mg/kg
				2-Nitrotoluene	U	0.25	0.25229358	mg/kg
				3-Nitrotoluene	U	0.25	0.25229358	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				4-Nitrotoluene	U	0.50	0.50458716	mg/kg
				Nitrobenzene	U	0.25	0.25229358	mg/kg
B12SS-038M-5040-SO(V	A0B180429005	8260B	SO	1,1,1-Trichloroethane	U	7.2	7.14285714	ug/kg
				1,1,2,2-Tetrachloroethane	U	7.2	7.14285714	ug/kg
				1,1,2-Trichloroethane	U	7.2	7.14285714	ug/kg
				1,1-Dichloroethane	U	7.2	7.14285714	ug/kg
				1,1-Dichloroethene	U	7.2	7.14285714	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	7.2	7.14285714	ug/kg
				1,2-Dichloroethane	U	7.2	7.14285714	ug/kg
				1,2-Dichloroethene (total)	U	7.2	7.14285714	ug/kg
				1,2-Dichloropropane	U	7.2	7.14285714	ug/kg
				2-Hexanone	U	29	28.5714286	ug/kg
				4-methyl-2-pentanone (MIBK)	U	29	28.5714286	ug/kg
				Benzene	U	7.2	7.14285714	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
B12SS-038M-5040-SO(V	A0B180429005	8260B	SO	Bromochloromethane	U	7.2	7.14285714	ug/kg
				Bromodichloromethane	U	7.2	7.14285714	ug/kg
				Bromoform	U	7.2	7.14285714	ug/kg
				Bromomethane (Methyl bromide)	U	7.2	7.14285714	ug/kg
				Carbon disulfide	U	7.2	7.14285714	ug/kg
				Carbon tetrachloride	U	7.2	7.14285714	ug/kg
				Chlorobenzene	U	7.2	7.14285714	ug/kg
				Chlorodibromomethane	U	7.2	7.14285714	ug/kg
				Chloroethane	U	7.2	7.14285714	ug/kg
				Chloroform	U	7.2	7.14285714	ug/kg
				Chloromethane	U	7.2	7.14285714	ug/kg
				cis-1,3-Dichloropropene	U	7.2	7.14285714	ug/kg
				Ethylbenzene	U	7.2	7.14285714	ug/kg
				Methylene chloride	U	7.2	7.14285714	ug/kg
				Styrene	U	7.2	7.14285714	ug/kg
				Tetrachloroethene	U	7.2	7.14285714	ug/kg
				trans-1,3-Dichloropropene	U	7.2	7.14285714	ug/kg
				Trichloroethene	U	7.2	7.14285714	ug/kg
				Vinyl chloride	U	7.2	7.14285714	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

Continuing Calibration (CCV) Outlier Report (Organics)

There are no Organic Continuing Calibrations with outliers

Continuing Calibration (CCAL) Outlier Report (Inorganics)

There are no Inorganic Continuing Calibrations with outliers

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
ATASS-015M-5036-SO	A0B180429012	353.2 Modified	SO	Nitrocellulose	B J	2.4	5.1	mg/kg
		6020		Antimony	J	0.14	0.51	mg/kg
				Cadmium	J	0.10	0.20	mg/kg
				Silver	J	0.026	0.51	mg/kg
				Sodium	J	49.8	102	mg/kg
				Thallium	J	0.18	0.20	mg/kg
		7471A		Mercury	J	0.038	0.10	mg/kg
		8270C		2-Methylnaphthalene	J	9.2	340	ug/kg
				bis(2-Ethylhexyl) phthalate	J	69	340	ug/kg
				Naphthalene	J	12	51	ug/kg
ATASS-015M-5036-SO(V	A0B180429013	8260B		Toluene	J B	0.38	6.7	ug/kg
ATASS-016M-5037-SO	A0B180429014	6020		Antimony	J	0.11	0.51	mg/kg
				Cadmium	J	0.16	0.20	mg/kg
				Silver	J	0.043	0.51	mg/kg
				Sodium	J	31.4	102	mg/kg
				Thallium	J	0.18	0.20	mg/kg
		7471A		Mercury	J	0.062	0.10	mg/kg
ATASS-016M-6047-FD	A0B180429015	6020		Antimony	J	0.11	0.51	mg/kg
				Cadmium	J	0.16	0.20	mg/kg
				Silver	J	0.041	0.51	mg/kg
				Sodium	J	32.5	102	mg/kg
				Thallium	J	0.17	0.20	mg/kg
		7471A		Mercury	J	0.049	0.10	mg/kg
		8330B		PETN	J	0.11	0.50	mg/kg
B12SS-035-5043-SO	A0B180429008	7196A		Chromium, hexavalent	J	0.39	1.0	mg/kg
B12SS-036M-5038-SO	A0B180429001	6020		Antimony	J	0.14	0.51	mg/kg
				Cadmium	J	0.12	0.20	mg/kg
				Silver	J	0.041	0.51	mg/kg
				Sodium	J	32.3	102	mg/kg
		7471A		Mercury	J	0.048	0.10	mg/kg
B12SS-037M-5039-SO	A0B180429002	6020		Antimony	J	0.11	0.51	mg/kg
				Cadmium	J	0.093	0.20	mg/kg
				Silver	J	0.037	0.51	mg/kg
				Sodium	J	35.6	102	mg/kg
				Thallium	J	0.18	0.20	mg/kg
		7471A		Mercury	J	0.044	0.10	mg/kg

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B180429 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
B12SS-037M-5039-SO	A0B180429002	8270C	SO	Benzo[b]fluoranthene	J	6.5	6.8	ug/kg
B12SS-037M-6049-FD	A0B180429003	6020		Antimony	J	0.10	0.51	mg/kg
				Cadmium	J	0.085	0.20	mg/kg
				Silver	J	0.034	0.51	mg/kg
				Sodium	J	42.1	102	mg/kg
				Thallium	J	0.18	0.20	mg/kg
		7471A		Mercury	J	0.047	0.10	mg/kg
B12SS-038M-5040-SO	A0B180429004	353.2 Modified		Nitrocellulose	B J	0.87	5.1	mg/kg
		6020		Antimony	J	0.11	0.51	mg/kg
				Cadmium	J	0.13	0.20	mg/kg
				Silver	J	0.037	0.51	mg/kg
				Sodium	J	39.5	102	mg/kg
				Thallium	J	0.18	0.20	mg/kg
		7471A		Mercury	J	0.055	0.10	mg/kg
		8270C		2-Methylnaphthalene	J	10	340	ug/kg
				Benzo[b]fluoranthene	J	11	51	ug/kg
				Benzyl alcohol	J	30	340	ug/kg
				bis(2-Ethylhexyl) phthalate	J	37	340	ug/kg
				Chrysene	J	7.3	51	ug/kg
				Fluoranthene	J	13	51	ug/kg
				Naphthalene	J	14	51	ug/kg
				Phenanthrene	J	8.1	51	ug/kg
				Pyrene	J	8.3	51	ug/kg
		8330B		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetr	J PG	0.012	0.25	mg/kg
B12SS-038M-5040-SO(V	A0B180429005	8260B		2-Butanone (MEK)	J B	3.5	29	ug/kg
				Acetone	J B	18	29	ug/kg
				Toluene	J	0.46	7.2	ug/kg

Method Blank Outlier Report

Lab Reporting Batch : A0B180429
Lab ID: TALCAN
Analysis Method : 6020
Analysis Date : 02/25/2010
Preparation Type : 3050B
Preparation Date : 02/24/2010
Method Blank Lab Sample ID : A0B220000030B
Preparation Batch : 0053030

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.2**	**1.0**	**mg/kg**		

Manganese contamination found in the method blank did not qualify any samples.

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.2**	**100**	**mg/kg**	**J**	

Potassium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : A0B180429
Lab ID: TALCAN
Analysis Method : 353.2 Modified
Analysis Date : 03/01/2010
Preparation Type : Gen Prep
Preparation Date : 02/25/2010
Method Blank Lab Sample ID : G0B250000149B
Preparation Batch : 0056149

Nitrocellulose	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.80**	**5.0**	**mg/kg**	**B**	

Nitrocellulose was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
ATASS-015M-5036-SO	A0B180429012	1	2.4	B J	mg/kg
B12SS-038M-5040-SO	A0B180429004	1	0.87	B J	mg/kg

Method Blank Outlier Report

Lab Reporting Batch : A0B180429
Lab ID: TALCAN
Analysis Method : 8260B
Analysis Date : 02/25/2010
Preparation Type : 5030B
Preparation Date : 02/25/2010
Method Blank Lab Sample ID : A0B260000113B
Preparation Batch : 0057113

2-Butanone (MEK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**3.8**	**20**	**ug/kg**	**J**	**Common Contaminant**

2-Butanone (MEK) contamination found in the method blank did not qualify any samples.

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.6**	**20**	**ug/kg**	**J**	

2-Hexanone contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**15**	**20**	**ug/kg**	**J**	**Common Contaminant**

Acetone contamination found in the method blank did not qualify any samples.

Toluene	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.39**	**5.0**	**ug/kg**	**J**	

Toluene was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
ATASS-015M-5036-SO(VOC	A0B180429013	1	0.38	J B	ug/kg

Method Blank Outlier Report

Lab Reporting Batch : A0B180429 **Lab ID:** TALCAN

Analysis Method : 8260B **Analysis Date :** 02/26/2010

Preparation Type : 5030B **Preparation Date :** 02/26/2010

Method Blank Lab Sample ID : A0C010000098B **Preparation Batch :** 0060098

2-Butanone (MEK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**3.4**	**20**	**ug/kg**	**J**	**Common Contaminant**

2-Butanone (MEK) was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
B12SS-038M-5040-SO(VOC)	A0B180429005	1	3.5	J B	ug/kg

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.7**	**20**	**ug/kg**	**J**	

2-Hexanone contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**11**	**20**	**ug/kg**	**J**	**Common Contaminant**

Acetone was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
B12SS-038M-5040-SO(VOC)	A0B180429005	1	18	J B	ug/kg

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: **Lab ID:**

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifiers	RPD Dup* (%)	RPD Criteria (%)	Result Units

*Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
FWSSD-102-5011-SD	A0B180524001	353.2 Modified	SO	1.2	2.0	6.0
FWSSW-102-5010-SW	A0B180524002	353.2 Modified	AQ	1.2	2.0	6.0
LL6SD-082-5245-SD	A0B180524004	353.2 Modified	SO	1.2	2.0	6.0
LL6SD-082-6063-FD	A0B180524005	353.2 Modified	SO	1.2	2.0	6.0
LL6SW-082-5244-SW	A0B180524006	353.2 Modified	AQ	1.0	2.0	6.0
FWSSD-102-5011-SD	A0B180524001	8081A	SO	1.2	2.0	
FWSSW-102-5010-SW	A0B180524002	8081A	AQ	1.2	2.0	
LL6SD-082-5245-SD	A0B180524004	8081A	SO	1.2	2.0	
LL6SD-082-6063-FD	A0B180524005	8081A	SO	1.2	2.0	
LL6SW-082-5244-SW	A0B180524006	8081A	AQ	1.0	2.0	
FWSSD-102-5011-SD	A0B180524001	8082	SO	1.2	2.0	
FWSSW-102-5010-SW	A0B180524002	8082	AQ	1.2	2.0	
LL6SD-082-5245-SD	A0B180524004	8082	SO	1.2	2.0	
LL6SD-082-6063-FD	A0B180524005	8082	SO	1.2	2.0	
LL6SW-082-5244-SW	A0B180524006	8082	AQ	1.0	2.0	
FWSSD-102-5011-SD	A0B180524001	8260B	SO	1.2	2.0	
FWSSW-102-5010-SW	A0B180524002	8260B	AQ	1.2	2.0	
LL6SD-082-5245-SD	A0B180524004	8260B	SO	1.2	2.0	
LL6SD-082-6063-FD	A0B180524005	8260B	SO	1.2	2.0	
LL6SW-082-5244-SW	A0B180524006	8260B	AQ	1.0	2.0	
PBA08-QC-6009-TB	A0B180524003	8260B	AQ	1.0	2.0	
FWSSD-102-5011-SD	A0B180524001	8270C	SO	1.2	2.0	
FWSSW-102-5010-SW	A0B180524002	8270C	AQ	1.2	2.0	
LL6SD-082-5245-SD	A0B180524004	8270C	SO	1.2	2.0	
LL6SD-082-6063-FD	A0B180524005	8270C	SO	1.2	2.0	
LL6SW-082-5244-SW	A0B180524006	8270C	AQ	1.0	2.0	
FWSSD-102-5011-SD	A0B180524001	8330B	SO	1.2	2.0	
FWSSW-102-5010-SW	A0B180524002	8330B	AQ	1.2	2.0	
LL6SD-082-5245-SD	A0B180524004	8330B	SO	1.2	2.0	

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QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
LL6SD-082-6063-FD	A0B180524005	8330B	SO	1.2	2.0	
LL6SW-082-5244-SW	A0B180524006	8330B	AQ	1.0	2.0	
FWSSD-102-5011-SD	A0B180524001	8330M	SO	1.2	2.0	
FWSSW-102-5010-SW	A0B180524002	8330M	AQ	1.2	2.0	
LL6SD-082-5245-SD	A0B180524004	8330M	SO	1.2	2.0	
LL6SD-082-6063-FD	A0B180524005	8330M	SO	1.2	2.0	
LL6SW-082-5244-SW	A0B180524006	8330M	AQ	1.0	2.0	
FWSSW-102-5010-SW	A0B180524002	9056	AQ	1.2	2.0	6.0
FWSSW-102-5010-SWMS	A0B180524002S	9056	AQ	1.2	2.0	6.0

Temperature Outlier Report

Lab Report Batch: **Lab ID:**

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	

QC Outlier Report: Holding Times

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

					Actual Holding Time			Criteria				Reported Dates (and Times)		
Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Prep Method	Coll To Prep	Prep To Ana	Coll To Ana	Coll To Prep	Prep To Ana	Coll To Ana	Unit of Meas	Collection Date	Preparation Date	Analysis Date
FWSSW-102-5010-S	A0B180524002	8270C	AQ	3520C	8.0	5.0		7	40		Days	02/17/2010	02/25/2010	03/02/2010
LL6SW-082-5244-SW	A0B180524006	8270C	AQ	3520C	8.0	5.0		7	40		Days	02/17/2010	02/25/2010	03/02/2010

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 0054246 **Analysis Method :** 8260B **Analysis Date :** 02/23/2010

Preparation Batch : 0054246 **Preparation Type :** 5030B **Preparation Date :** 02/23/2010

Lab Reporting Batch : A0B180524 **Lab ID:** TALCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
A0B230000246C	AQ	Chloroethane	52		10.00	60.00	135.00	30.00
A0B230000246L		Chloroethane	51	1.4	10.00	60.00	135.00	30.00

Associated Samples

Client Sample ID	**Lab Sample ID**
FWSSW-102-5010-SW	A0B180524002
LL6SW-082-5244-SW	A0B180524006
PBA08-QC-6009-TB	A0B180524003

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

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Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 0056134 **Analysis Method :** 8270C **Analysis Date :** 03/02/2010

Preparation Batch : 0056134 **Preparation Type :** 3520C **Preparation Date :** 02/25/2010

Lab Reporting Batch : A0B180524 **Lab ID:** TALCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
A0B250000134C	AQ	2-Methylnaphthalene	110		10.00	45.00	105.00	31.00
A0B250000134L		2-Methylnaphthalene	110	0.53	10.00	45.00	105.00	31.00

Associated Samples

Client Sample ID	**Lab Sample ID**
FWSSW-102-5010-SW	A0B180524002
LL6SW-082-5244-SW	A0B180524006

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSD-102-5011-SD	A0B180524001	6020	SO	Thallium	U	0.31	0.30769231	mg/kg
		8081A		4,4'-DDD	U	3.1	3.07692308	ug/kg
				4,4'-DDT	U	3.1	3.07692308	ug/kg
				Aldrin	U	6.2	6.15384615	ug/kg
				alpha-BHC	U	3.9	3.84615385	ug/kg
				beta-BHC	U	5.4	5.38461538	ug/kg
				delta-BHC	U	6.2	6.15384615	ug/kg
				Endosulfan II	U	3.9	3.84615385	ug/kg
				Endrin ketone	U	3.1	3.07692308	ug/kg
				gamma-BHC (Lindane)	U	3.9	3.84615385	ug/kg
				Heptachlor	U	5.4	5.38461538	ug/kg
				Heptachlor epoxide	U	3.9	3.84615385	ug/kg
				Methoxychlor	U	7.7	7.69230769	ug/kg
		8082		Aroclor 1016	U	51	2.61538462	ug/kg
				Aroclor 1221	U	51	2.61538462	ug/kg
				Aroclor 1232	U	51	2.61538462	ug/kg
				Aroclor 1242	U	51	2.61538462	ug/kg
				Aroclor 1248	U	51	2.61538462	ug/kg
				Aroclor 1254	U	51	2.61538462	ug/kg
				Aroclor 1260	U	51	2.61538462	ug/kg
		8260B		1,1,1-Trichloroethane	U	7.7	7.69230769	ug/kg
				1,1,2,2-Tetrachloroethane	U	7.7	7.69230769	ug/kg
				1,1,2-Trichloroethane	U	7.7	7.69230769	ug/kg
				1,1-Dichloroethane	U	7.7	7.69230769	ug/kg
				1,1-Dichloroethene	U	7.7	7.69230769	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	7.7	7.69230769	ug/kg
				1,2-Dichloroethane	U	7.7	7.69230769	ug/kg
				1,2-Dichloroethene (total)	U	7.7	7.69230769	ug/kg
				1,2-Dichloropropane	U	7.7	7.69230769	ug/kg
				2-Hexanone	U	31	30.7692308	ug/kg
				4-methyl-2-pentanone (MIBK)	U	31	30.7692308	ug/kg
				Benzene	U	7.7	7.69230769	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSD-102-5011-SD	A0B180524001	8260B	SO	Bromochloromethane	U	7.7	7.69230769	ug/kg
				Bromodichloromethane	U	7.7	7.69230769	ug/kg
				Bromoform	U	7.7	7.69230769	ug/kg
				Bromomethane (Methyl bromide)	U	7.7	7.69230769	ug/kg
				Carbon disulfide	U	7.7	7.69230769	ug/kg
				Carbon tetrachloride	U	7.7	7.69230769	ug/kg
				Chlorobenzene	U	7.7	7.69230769	ug/kg
				Chlorodibromomethane	U	7.7	7.69230769	ug/kg
				Chloroethane	U	7.7	7.69230769	ug/kg
				Chloroform	U	7.7	7.69230769	ug/kg
				Chloromethane	U	7.7	7.69230769	ug/kg
				cis-1,3-Dichloropropene	U	7.7	7.69230769	ug/kg
				Ethylbenzene	U	7.7	7.69230769	ug/kg
				Methylene chloride	U	7.7	7.69230769	ug/kg
				Styrene	U	7.7	7.69230769	ug/kg
				Tetrachloroethene	U	7.7	7.69230769	ug/kg
				Toluene	U	7.7	7.69230769	ug/kg
				trans-1,3-Dichloropropene	U	7.7	7.69230769	ug/kg
				Trichloroethene	U	7.7	7.69230769	ug/kg
				Vinyl chloride	U	7.7	7.69230769	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	510	507.692308	ug/kg
				1,2-Dichlorobenzene	U	510	507.692308	ug/kg
				1,3-Dichlorobenzene	U	510	507.692308	ug/kg
				1,4-Dichlorobenzene	U	510	507.692308	ug/kg
				2,4,5-Trichlorophenol	U	510	507.692308	ug/kg
				2,4,6-Trichlorophenol	U	510	507.692308	ug/kg
				2,4-Dichlorophenol	U	510	507.692308	ug/kg
				2,4-Dimethylphenol	U	510	507.692308	ug/kg
				2,4-Dinitrotoluene	U	510	507.692308	ug/kg
				2,6-Dinitrotoluene	U	510	507.692308	ug/kg
				2-Chloronaphthalene	U	510	507.692308	ug/kg
				2-Chlorophenol	U	510	507.692308	ug/kg
				2-Methylnaphthalene	U	510	507.692308	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSD-102-5011-SD	A0B180524001	8270C	SO	2-Methylphenol	U	510	507.692308	ug/kg
				2-Nitrophenol	U	510	507.692308	ug/kg
				3,3'-Dichlorobenzidine	U	510	507.692308	ug/kg
				3-methylphenol/4-methylphenol	U	510	#Error	ug/kg
				4-Bromophenyl phenyl ether	U	510	507.692308	ug/kg
				4-Chloro-3-methylphenol	U	510	507.692308	ug/kg
				4-Chloroaniline	U	510	507.692308	ug/kg
				4-Chlorophenyl phenyl ether	U	510	507.692308	ug/kg
				Acenaphthene	U	77	76.9230769	ug/kg
				Acenaphthylene	U	77	76.9230769	ug/kg
				Anthracene	U	77	76.9230769	ug/kg
				Benz[a]anthracene	U	77	76.9230769	ug/kg
				Benzo[a]pyrene	U	77	76.9230769	ug/kg
				Benzo[b]fluoranthene	U	77	76.9230769	ug/kg
				Benzo[g,h,i]perylene	U	77	76.9230769	ug/kg
				Benzo[k]fluoranthene	U	77	76.9230769	ug/kg
				Benzyl alcohol	U	510	507.692308	ug/kg
				bis(2-Chloroethoxy)methane	U	510	507.692308	ug/kg
				bis(2-Chloroethyl) ether	U	510	507.692308	ug/kg
				Bis(2-chloroisopropyl) ether	U	510	507.692308	ug/kg
				bis(2-Ethylhexyl) phthalate	U	510	507.692308	ug/kg
				Butyl benzyl phthalate	U	510	507.692308	ug/kg
				Carbazole	U	77	76.9230769	ug/kg
				Chrysene	U	77	76.9230769	ug/kg
				dibenz[a,h]anthracene	U	77	76.9230769	ug/kg
				Dibenzofuran	U	510	507.692308	ug/kg
				Diethyl phthalate	U	510	507.692308	ug/kg
				Dimethyl phthalate	U	510	507.692308	ug/kg
				Di-n-butyl phthalate	U	510	507.692308	ug/kg
				Di-n-octyl phthalate	U	510	507.692308	ug/kg
				Fluoranthene	U	77	76.9230769	ug/kg
				Fluorene	U	77	76.9230769	ug/kg
				Hexachlorobenzene	U	510	507.692308	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSD-102-5011-SD	A0B180524001	8270C	SO	Hexachlorobutadiene	U	510	507.692308	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	510	#Error	ug/kg
				Hexachloroethane	U	510	507.692308	ug/kg
				Indeno[1,2,3-cd]pyrene	U	77	76.9230769	ug/kg
				Isophorone	U	510	507.692308	ug/kg
				Naphthalene	U	77	76.9230769	ug/kg
				Nitrobenzene	U	510	507.692308	ug/kg
				N-Nitrosodi-n-propylamine	U	510	507.692308	ug/kg
				N-Nitrosodiphenylamine	U	510	507.692308	ug/kg
				Pentachlorophenol	U	510	507.692308	ug/kg
				Phenanthrene	U	77	76.9230769	ug/kg
				Phenol	U	510	507.692308	ug/kg
				Pyrene	U	77	507.692308	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.01523077	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.38076923	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.38076923	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.38076923	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.38076923	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.38076923	mg/kg
				2-Nitrotoluene	U	0.25	0.38076923	mg/kg
				3-Nitrotoluene	U	0.25	0.38076923	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.38076923	mg/kg
				4-Nitrotoluene	U	0.50	0.76153846	mg/kg
				Nitrobenzene	U	0.25	0.38076923	mg/kg
FWSSW-102-5010-SW	A0B180524002	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1485	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1485	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1485	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				2-Amino-4,6-dinitrotoluene	U	0.30	0.297	ug/L
				2-Nitrotoluene	U	0.15	0.1485	ug/L
				3-Nitrotoluene	U	0.50	0.495	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.1485	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSW-102-5010-SW	A0B180524002	8330B	AQ	Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.25	0.2475	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1485	ug/L
				Nitrobenzene	U	0.15	0.1485	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.1485	ug/L
LL6SD-082-5245-SD	A0B180524004	8081A	SO	4,4'-DDE	U	2.4	2.3943662	ug/kg
				Dieldrin	U	2.4	2.3943662	ug/kg
				Endosulfan I	U	2.4	2.3943662	ug/kg
				Endrin	U	2.4	2.3943662	ug/kg
				gamma-Chlordane	U	2.4	2.3943662	ug/kg
LL6SD-082-6063-FD	A0B180524005	353.2 Modified	SO	Nitrocellulose	U	8.2	8.19672131	mg/kg
		6020		Thallium	U	0.33	0.32786885	mg/kg
		8081A		4,4'-DDD	U	3.3	3.27868852	ug/kg
				4,4'-DDE	U	2.8	2.78688525	ug/kg
				4,4'-DDT	U	3.3	3.27868852	ug/kg
				Aldrin	U	6.6	6.55737705	ug/kg
				alpha-BHC	U	4.1	4.09836066	ug/kg
				delta-BHC	U	6.6	6.55737705	ug/kg
				Dieldrin	U	2.8	2.78688525	ug/kg
				Endosulfan I	U	2.8	2.78688525	ug/kg
				Endosulfan II	U	4.1	4.09836066	ug/kg
				Endrin	U	2.8	2.78688525	ug/kg
				Endrin ketone	U	3.3	3.27868852	ug/kg
				gamma-BHC (Lindane)	U	4.1	4.09836066	ug/kg
				gamma-Chlordane	U	2.8	2.78688525	ug/kg
				Heptachlor epoxide	U	4.1	4.09836066	ug/kg
				Methoxychlor	U	8.2	8.19672131	ug/kg
				Toxaphene	U	110	109.836066	ug/kg
		8260B		1,1,1-Trichloroethane	U	8.2	8.19672131	ug/kg
				1,1,2,2-Tetrachloroethane	U	8.2	8.19672131	ug/kg
				1,1,2-Trichloroethane	U	8.2	8.19672131	ug/kg
				1,1-Dichloroethane	U	8.2	8.19672131	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SD-082-6063-FD	A0B180524005	8260B	SO	1,1-Dichloroethene	U	8.2	8.19672131	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	8.2	8.19672131	ug/kg
				1,2-Dichloroethane	U	8.2	8.19672131	ug/kg
				1,2-Dichloroethene (total)	U	8.2	8.19672131	ug/kg
				1,2-Dichloropropane	U	8.2	8.19672131	ug/kg
				2-Butanone (MEK)	U	33	32.7868852	ug/kg
				2-Hexanone	U	33	32.7868852	ug/kg
				4-methyl-2-pentanone (MIBK)	U	33	32.7868852	ug/kg
				Acetone	U	33	32.7868852	ug/kg
				Benzene	U	8.2	8.19672131	ug/kg
				Bromochloromethane	U	8.2	8.19672131	ug/kg
				Bromodichloromethane	U	8.2	8.19672131	ug/kg
				Bromoform	U	8.2	8.19672131	ug/kg
				Bromomethane (Methyl bromide)	U	8.2	8.19672131	ug/kg
				Carbon disulfide	U	8.2	8.19672131	ug/kg
				Carbon tetrachloride	U	8.2	8.19672131	ug/kg
				Chlorobenzene	U	8.2	8.19672131	ug/kg
				Chlorodibromomethane	U	8.2	8.19672131	ug/kg
				Chloroethane	U	8.2	8.19672131	ug/kg
				Chloroform	U	8.2	8.19672131	ug/kg
				Chloromethane	U	8.2	8.19672131	ug/kg
				cis-1,3-Dichloropropene	U	8.2	8.19672131	ug/kg
				Ethylbenzene	U	8.2	8.19672131	ug/kg
				Methylene chloride	U	8.2	8.19672131	ug/kg
				Styrene	U	8.2	8.19672131	ug/kg
				Tetrachloroethene	U	8.2	8.19672131	ug/kg
				trans-1,3-Dichloropropene	U	8.2	8.19672131	ug/kg
				Trichloroethene	U	8.2	8.19672131	ug/kg
				Vinyl chloride	U	8.2	8.19672131	ug/kg
		8270C		Acenaphthene	U	82	81.9672131	ug/kg
				Acenaphthylene	U	82	81.9672131	ug/kg
				Anthracene	U	82	81.9672131	ug/kg
				Benz[a]anthracene	U	82	81.9672131	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SD-082-6063-FD	A0B180524005	8270C	SO	Benzo[a]pyrene	U	82	81.9672131	ug/kg
				Benzo[b]fluoranthene	U	82	81.9672131	ug/kg
				Benzo[g,h,i]perylene	U	82	81.9672131	ug/kg
				Benzo[k]fluoranthene	U	82	81.9672131	ug/kg
				Carbazole	U	82	81.9672131	ug/kg
				Chrysene	U	82	81.9672131	ug/kg
				dibenz[a,h]anthracene	U	82	81.9672131	ug/kg
				Fluorene	U	82	81.9672131	ug/kg
				Indeno[1,2,3-cd]pyrene	U	82	81.9672131	ug/kg
				Naphthalene	U	82	81.9672131	ug/kg
				Phenanthrene	U	82	81.9672131	ug/kg
				Pyrene	U	82	540.983607	ug/kg
LL6SW-082-5244-SW	A0B180524006	8330B	AQ	2-Amino-4,6-dinitrotoluene	U	0.31	0.309	ug/L
				3-Nitrotoluene	U	0.52	0.515	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.26	0.2575	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Trip Blank

Lab Reporting Batch :
Lab ID:
Method/Preparation Batch :
Analysis Date :
Client Sample ID :
Preparation Date :
Lab Sample ID :
Preparation Type :

Analysis Method :

No contamination was found.

Continuing Calibration (CCV) Outlier Report (Organics)

There are no Organic Continuing Calibrations with outliers

Continuing Calibration (CCAL) Outlier Report (Inorganics)

There are no Inorganic Continuing Calibrations with outliers

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWSSD-102-5011-SD	A0B180524001	353.2 Modified	SO	Nitrocellulose	B J	1.3	7.7	mg/kg
		6020		Antimony	J	0.15	0.77	mg/kg
				Cadmium	J	0.13	0.31	mg/kg
				Silver	J	0.066	0.77	mg/kg
				Sodium	J	72.5	155	mg/kg
		7471A		Mercury	J	0.038	0.15	mg/kg
		8260B		2-Butanone (MEK)	J B	3.5	31	ug/kg
				Acetone	J B	16	31	ug/kg
FWSSW-102-5010-SW	A0B180524002	6020	AQ	Antimony	J	0.42	5.0	ug/L
				Cadmium	J	0.65	2.0	ug/L
				Selenium	J	1.7	5.0	ug/L
				Silver	J	0.048	5.0	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	0.93	10	ug/L
LL6SD-082-5245-SD	A0B180524004	353.2 Modified	SO	Nitrocellulose	B J	1.3	7.0	mg/kg
		6020		Antimony	J	0.091	0.70	mg/kg
				Cadmium	J	0.19	0.28	mg/kg
				Silver	J	0.015	0.70	mg/kg
				Sodium	J	32.1	140	mg/kg
				Thallium	J	0.095	0.28	mg/kg
		7471A		Mercury	J	0.039	0.14	mg/kg
LL6SD-082-6063-FD	A0B180524005	6020		Antimony	J	0.13	0.82	mg/kg
				Selenium	J	0.68	0.82	mg/kg
				Silver	J	0.054	0.82	mg/kg
				Sodium	J	36.7	164	mg/kg
		7471A		Mercury	J	0.064	0.16	mg/kg
		8260B		Toluene	J	0.54	8.2	ug/kg
		8270C		Fluoranthene	J	15	82	ug/kg
LL6SW-082-5244-SW	A0B180524006	353.2 Modified	AQ	Nitrocellulose	B	0.24	0.50	mg/L
		6020		Antimony	J	0.26	5.0	ug/L
				Arsenic	J	3.2	5.0	ug/L
				Beryllium	J	0.42	1.0	ug/L
				Cadmium	J	0.40	2.0	ug/L
				Selenium	J	0.61	5.0	ug/L
				Silver	J	0.021	5.0	ug/L
		8330B		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetr	J	0.080	0.15	ug/L
PBA08-QC-6009-TB	A0B180524003	8260B		Acetone	J	4.8	10	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0B180524
Lab ID: TALCAN
Analysis Method : 6020
Analysis Date : 02/24/2010
Preparation Type : 3050B
Preparation Date : 02/22/2010
Method Blank Lab Sample ID : A0B220000028B
Preparation Batch : 0053028

Vanadium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.043**	**1.0**	**mg/kg**	**J**	

Vanadium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : A0B180524 **Lab ID:** TALCAN

Analysis Method : 6020 **Analysis Date :** 02/26/2010

Preparation Type : 3050B **Preparation Date :** 02/25/2010

Method Blank Lab Sample ID : A0B250000051B **Preparation Batch :** 0056051

Copper	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.12**	**0.50**	**mg/kg**	**J**	

Copper contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : A0B180524
Lab ID: TALCAN
Analysis Method : 8270C
Analysis Date : 03/02/2010
Preparation Type : 3520C
Preparation Date : 02/25/2010
Method Blank Lab Sample ID : A0B250000134B
Preparation Batch : 0056134

bis(2-Ethylhexyl) phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.83**	**10**	**ug/L**	**J**	**Common Contaminant**

bis(2-Ethylhexyl) phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWSSW-102-5010-SW	A0B180524002	1	0.93	J B	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0B180524
Lab ID: TALCAN
Analysis Method : 353.2 Modified
Analysis Date : 03/01/2010
Preparation Type : Gen Prep
Preparation Date : 02/25/2010
Method Blank Lab Sample ID : G0B250000149B
Preparation Batch : 0056149

Nitrocellulose	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.80**	**5.0**	**mg/kg**	**B**	

Nitrocellulose was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWSSD-102-5011-SD	A0B180524001	1	1.3	B J	mg/kg
LL6SD-082-5245-SD	A0B180524004	1	1.3	B J	mg/kg

Method Blank Outlier Report

Lab Reporting Batch : A0B180524 **Lab ID:** TALCAN
Analysis Method : 8260B **Analysis Date :** 02/25/2010
Preparation Type : 5030B **Preparation Date :** 02/25/2010
Method Blank Lab Sample ID : A0B260000113B **Preparation Batch :** 0057113

2-Butanone (MEK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**3.8**	**20**	**ug/kg**	**J**	**Common Contaminant**

2-Butanone (MEK) was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWSSD-102-5011-SD	A0B180524001	1	3.5	J B	ug/kg

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.6**	**20**	**ug/kg**	**J**	

2-Hexanone contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**15**	**20**	**ug/kg**	**J**	**Common Contaminant**

Acetone was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWSSD-102-5011-SD	A0B180524001	1	16	J B	ug/kg

Toluene	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.39**	**5.0**	**ug/kg**	**J**	

Toluene contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : A0B180524 **Lab ID:** TALCAN

Analysis Method : 8260B **Analysis Date :** 02/26/2010

Preparation Type : 5030B **Preparation Date :** 02/26/2010

Method Blank Lab Sample ID : A0C010000098B **Preparation Batch :** 0060098

2-Butanone (MEK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	3.4	20	ug/kg	J	Common Contaminant

2-Butanone (MEK) contamination found in the method blank did not qualify any samples.

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	1.7	20	ug/kg	J	

2-Hexanone contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	11	20	ug/kg	J	Common Contaminant

Acetone contamination found in the method blank did not qualify any samples.

Surrogate Recovery Outlier Report

Lab Report Batch: A0B180524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
LL6SW-082-5244-SW	A0B180524006	8082	1	AQ	Decachlorobiphenyl	33	40.0	135.0	10.0	All Target

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: **Lab ID:**

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifiers	RPD Dup* (%)	RPD Criteria (%)	Result Units

*Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.

QC Outlier Report: Holding Times

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

					Actual Holding Time			Criteria				Reported Dates (and Times)		
Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Prep Method	Coll To Prep	Prep To Ana	Coll To Ana	Coll To Prep	Prep To Ana	Coll To Ana	Unit of Meas	Collection Date	Preparation Date	Analysis Date
LL9SD-113-5471-SD	A0B190524002	8081A	SO	3540C	23.0	3.0		14	40		Days	02/18/2010	03/13/2010	03/16/2010

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0053030 **Analysis Method :** 6020 **Analysis Date :** 02/25/2010

Preparation Batch : 0053030 **Preparation Type :** 3050B **Preparation Date :** 02/24/2010

Lab Reporting Batch : A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL9SD-111-5469-SDMS	A0B190524001S	SO	Antimony	29		30.00	75.00	125.00	20.00
LL9SD-111-5469-SDMS	A0B190524001D		Antimony	29		30.00	75.00	125.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
FWSSD-103-5013-SD	A0B190524010
L10SD-094-5531-SD	A0B190524013
LL6SD-081-5243-SD	A0B190524009
LL9SD-111-5469-SD	A0B190524001
LL9SD-113-5471-SD	A0B190524002
LL9SD-113-6147-FD	A0B190524003
LL9SD-114-5472-SD	A0B190524004

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0054027 **Analysis Method :** 8270C **Analysis Date :** 03/02/2010

Preparation Batch : 0054027 **Preparation Type :** 3540C **Preparation Date :** 02/23/2010

Lab Reporting Batch : A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL9SD-111-5469-SDMS	A0B190524001S	SO	3,3'-Dichlorobenzidine	0.0		0.00	10.00	130.00	56.00
			3-Nitroaniline	21		0.00	25.00	110.00	45.00
			4-Nitroaniline	26		0.00	35.00	115.00	30.00
LL9SD-111-5469-SDMS	A0B190524001D		3,3'-Dichlorobenzidine	0.0		0.00	10.00	130.00	56.00
			3-Nitroaniline	20		0.00	25.00	110.00	45.00
			4-Chloroaniline		80	0.00	10.00	95.00	30.00
			4-Nitroaniline	22		0.00	35.00	115.00	30.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
LL9SD-111-5469-SD	A0B190524001

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 0054246 **Analysis Method :** 8260B **Analysis Date :** 02/23/2010

Preparation Batch : 0054246 **Preparation Type :** 5030B **Preparation Date :** 02/23/2010

Lab Reporting Batch : A0B190524 **Lab ID:** TALCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
A0B230000246C	AQ	Chloroethane	52		10.00	60.00	135.00	30.00
A0B230000246L		Chloroethane	51	1.4	10.00	60.00	135.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWSSW-103-5012-SW	A0B190524011
LL9SW-111-5489-SW	A0B190524005
PBA08-QC-6000-FB	A0B190524007
PBA08-QC-6001-ER	A0B190524008
PBA08-QC-6010-TB	A0B190524012
PBA08-QC-6011-TB	A0B190524006

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSD-103-5013-SD	A0B190524010	353.2 Modified	SO	Nitrocellulose	U	6.1	6.09756098	mg/kg
		6020		Antimony	U	0.61	0.6097561	mg/kg
		8081A		4,4'-DDE	U	2.1	2.07317073	ug/kg
				Dieldrin	U	2.1	2.07317073	ug/kg
				Endosulfan I	U	2.1	2.07317073	ug/kg
				Endrin	U	2.1	2.07317073	ug/kg
				gamma-Chlordane	U	2.1	2.07317073	ug/kg
				Methoxychlor	U	6.1	6.09756098	ug/kg
		8260B		1,1,1-Trichloroethane	U	6.1	6.09756098	ug/kg
				1,1,2,2-Tetrachloroethane	U	6.1	6.09756098	ug/kg
				1,1,2-Trichloroethane	U	6.1	6.09756098	ug/kg
				1,1-Dichloroethane	U	6.1	6.09756098	ug/kg
				1,1-Dichloroethene	U	6.1	6.09756098	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	6.1	6.09756098	ug/kg
				1,2-Dichloroethane	U	6.1	6.09756098	ug/kg
				1,2-Dichloroethene (total)	U	6.1	6.09756098	ug/kg
				1,2-Dichloropropane	U	6.1	6.09756098	ug/kg
				Benzene	U	6.1	6.09756098	ug/kg
				Bromochloromethane	U	6.1	6.09756098	ug/kg
				Bromodichloromethane	U	6.1	6.09756098	ug/kg
				Bromoform	U	6.1	6.09756098	ug/kg
				Bromomethane (Methyl bromide)	U	6.1	6.09756098	ug/kg
				Carbon disulfide	U	6.1	6.09756098	ug/kg
				Carbon tetrachloride	U	6.1	6.09756098	ug/kg
				Chlorobenzene	U	6.1	6.09756098	ug/kg
				Chlorodibromomethane	U	6.1	6.09756098	ug/kg
				Chloroethane	U	6.1	6.09756098	ug/kg
				Chloroform	U	6.1	6.09756098	ug/kg
				Chloromethane	U	6.1	6.09756098	ug/kg
				cis-1,3-Dichloropropene	U	6.1	6.09756098	ug/kg
				Ethylbenzene	U	6.1	6.09756098	ug/kg
				Methylene chloride	U	6.1	6.09756098	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSD-103-5013-SD	A0B190524010	8260B	SO	Styrene	U	6.1	6.09756098	ug/kg
				Tetrachloroethene	U	6.1	6.09756098	ug/kg
				trans-1,3-Dichloropropene	U	6.1	6.09756098	ug/kg
				Trichloroethene	U	6.1	6.09756098	ug/kg
				Vinyl chloride	U	6.1	6.09756098	ug/kg
		8270C		Acenaphthene	U	61	60.9756098	ug/kg
				Acenaphthylene	U	61	60.9756098	ug/kg
				Anthracene	U	61	60.9756098	ug/kg
				Benz[a]anthracene	U	61	60.9756098	ug/kg
				Benzo[a]pyrene	U	61	60.9756098	ug/kg
				Benzo[b]fluoranthene	U	61	60.9756098	ug/kg
				Benzo[g,h,i]perylene	U	61	60.9756098	ug/kg
				Benzo[k]fluoranthene	U	61	60.9756098	ug/kg
				Carbazole	U	61	60.9756098	ug/kg
				Chrysene	U	61	60.9756098	ug/kg
				dibenz[a,h]anthracene	U	61	60.9756098	ug/kg
				Fluoranthene	U	61	60.9756098	ug/kg
				Fluorene	U	61	60.9756098	ug/kg
				Indeno[1,2,3-cd]pyrene	U	61	60.9756098	ug/kg
				Naphthalene	U	61	60.9756098	ug/kg
				Phenanthrene	U	61	60.9756098	ug/kg
				Pyrene	U	61	402.439024	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.01207317	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.30182927	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.30182927	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.30182927	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.30182927	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.30182927	mg/kg
				2-Nitrotoluene	U	0.25	0.30182927	mg/kg
				3-Nitrotoluene	U	0.25	0.30182927	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.30182927	mg/kg
				4-Nitrotoluene	U	0.50	0.60365854	mg/kg
				Nitrobenzene	U	0.25	0.30182927	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSW-103-5012-SW	A0B190524011	8330B	AQ	1,3,5-Trinitrobenzene	U	0.11	0.108	ug/L
				4-Nitrotoluene	U	1.1	1.08	ug/L
				Nitroglycerin	U	1.1	1.08	ug/L
				PETN	U	1.1	1.08	ug/L
L10SD-094-5531-SD	A0B190524013	353.2 Modified	SO	Nitrocellulose	U	7.6	7.57575758	mg/kg
		8081A		4,4'-DDE	U	2.6	2.57575758	ug/kg
				Aldrin	U	6.1	6.06060606	ug/kg
				alpha-BHC	U	3.8	3.78787879	ug/kg
				alpha-Chordane	U	4.6	4.54545455	ug/kg
				delta-BHC	U	6.1	6.06060606	ug/kg
				Dieldrin	U	2.6	2.57575758	ug/kg
				Endosulfan I	U	2.6	2.57575758	ug/kg
				Endosulfan II	U	3.8	3.78787879	ug/kg
				Endosulfan sulfate	U	4.6	4.54545455	ug/kg
				Endrin	U	2.6	2.57575758	ug/kg
				Endrin aldehyde	U	4.6	4.54545455	ug/kg
				gamma-BHC (Lindane)	U	3.8	3.78787879	ug/kg
				gamma-Chlordane	U	2.6	2.57575758	ug/kg
				Heptachlor epoxide	U	3.8	3.78787879	ug/kg
				Methoxychlor	U	7.6	7.57575758	ug/kg
		8260B		1,1,1-Trichloroethane	U	7.6	7.57575758	ug/kg
				1,1,2,2-Tetrachloroethane	U	7.6	7.57575758	ug/kg
				1,1,2-Trichloroethane	U	7.6	7.57575758	ug/kg
				1,1-Dichloroethane	U	7.6	7.57575758	ug/kg
				1,1-Dichloroethene	U	7.6	7.57575758	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	7.6	7.57575758	ug/kg
				1,2-Dichloroethane	U	7.6	7.57575758	ug/kg
				1,2-Dichloroethene (total)	U	7.6	7.57575758	ug/kg
				1,2-Dichloropropane	U	7.6	7.57575758	ug/kg
				Benzene	U	7.6	7.57575758	ug/kg
				Bromochloromethane	U	7.6	7.57575758	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
L10SD-094-5531-SD	A0B190524013	8260B	SO	Bromodichloromethane	U	7.6	7.57575758	ug/kg
				Bromoform	U	7.6	7.57575758	ug/kg
				Bromomethane (Methyl bromide)	U	7.6	7.57575758	ug/kg
				Carbon disulfide	U	7.6	7.57575758	ug/kg
				Carbon tetrachloride	U	7.6	7.57575758	ug/kg
				Chlorobenzene	U	7.6	7.57575758	ug/kg
				Chlorodibromomethane	U	7.6	7.57575758	ug/kg
				Chloroethane	U	7.6	7.57575758	ug/kg
				Chloroform	U	7.6	7.57575758	ug/kg
				Chloromethane	U	7.6	7.57575758	ug/kg
				cis-1,3-Dichloropropene	U	7.6	7.57575758	ug/kg
				Ethylbenzene	U	7.6	7.57575758	ug/kg
				Methylene chloride	U	7.6	7.57575758	ug/kg
				Styrene	U	7.6	7.57575758	ug/kg
				Tetrachloroethene	U	7.6	7.57575758	ug/kg
				trans-1,3-Dichloropropene	U	7.6	7.57575758	ug/kg
				Trichloroethene	U	7.6	7.57575758	ug/kg
				Vinyl chloride	U	7.6	7.57575758	ug/kg
		8270C		Acenaphthene	U	76	75.7575758	ug/kg
				Acenaphthylene	U	76	75.7575758	ug/kg
				Anthracene	U	76	75.7575758	ug/kg
				Benzo[g,h,i]perylene	U	76	75.7575758	ug/kg
				Benzo[k]fluoranthene	U	76	75.7575758	ug/kg
				Carbazole	U	76	75.7575758	ug/kg
				dibenz[a,h]anthracene	U	76	75.7575758	ug/kg
				Fluorene	U	76	75.7575758	ug/kg
				Indeno[1,2,3-cd]pyrene	U	76	75.7575758	ug/kg
				Naphthalene	U	76	75.7575758	ug/kg
				Phenanthrene	U	76	75.7575758	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.015	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.375	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.375	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.375	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
L10SD-094-5531-SD	A0B190524013	8330B	SO	2,6-Dinitrotoluene	U	0.25	0.375	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.375	mg/kg
				2-Nitrotoluene	U	0.25	0.375	mg/kg
				3-Nitrotoluene	U	0.25	0.375	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.375	mg/kg
				4-Nitrotoluene	U	0.50	0.75	mg/kg
				Nitrobenzene	U	0.25	0.375	mg/kg
LL6SD-081-5243-SD	A0B190524009	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.020625	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.515625	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.515625	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.515625	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.515625	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.515625	mg/kg
				2-Nitrotoluene	U	0.25	0.515625	mg/kg
				3-Nitrotoluene	U	0.25	0.515625	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.515625	mg/kg
				4-Nitrotoluene	U	0.50	1.03125	mg/kg
				Nitrobenzene	U	0.25	0.515625	mg/kg
LL9SD-111-5469-SD	A0B190524001	8270C	SO	2,4-Dinitrophenol	U	1300	1290.32258	ug/kg
				2-Nitroaniline	U	1300	1290.32258	ug/kg
				3-Nitroaniline	U	1300	1290.32258	ug/kg
				4,6-Dinitro-2-methylphenol	U	1300	1290.32258	ug/kg
				4-Nitroaniline	U	1300	1290.32258	ug/kg
				4-Nitrophenol	U	1300	1290.32258	ug/kg
				Benzoic acid	U	1300	1290.32258	ug/kg
LL9SD-113-5471-SD	A0B190524002	8081A	SO	4,4'-DDE	U	14	13.7096774	ug/kg
				Dieldrin	U	14	13.7096774	ug/kg
				Endosulfan I	U	14	13.7096774	ug/kg
				Endrin	U	14	13.7096774	ug/kg
				gamma-Chlordane	U	14	13.7096774	ug/kg
		8270C		2,4-Dinitrophenol	U	1300	1290.32258	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL9SD-113-5471-SD	A0B190524002	8270C	SO	2-Nitroaniline	U	1300	1290.32258	ug/kg
				3-Nitroaniline	U	1300	1290.32258	ug/kg
				4,6-Dinitro-2-methylphenol	U	1300	1290.32258	ug/kg
				4-Nitroaniline	U	1300	1290.32258	ug/kg
				4-Nitrophenol	U	1300	1290.32258	ug/kg
				Benzoic acid	U	1300	1290.32258	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.01596774	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.39919355	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.39919355	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.39919355	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.39919355	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.39919355	mg/kg
				2-Nitrotoluene	U	0.25	0.39919355	mg/kg
				3-Nitrotoluene	U	0.25	0.39919355	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.39919355	mg/kg
				4-Nitrotoluene	U	0.50	0.7983871	mg/kg
				Nitrobenzene	U	0.25	0.39919355	mg/kg
LL9SD-113-6147-FD	A0B190524003	8081A	SO	4,4'-DDD	U	17	16.6666667	ug/kg
				4,4'-DDT	U	17	16.6666667	ug/kg
				alpha-BHC	U	21	20.8333333	ug/kg
				Endosulfan II	U	21	20.8333333	ug/kg
				Endrin ketone	U	17	16.6666667	ug/kg
				gamma-BHC (Lindane)	U	21	20.8333333	ug/kg
				Heptachlor epoxide	U	21	20.8333333	ug/kg
				Methoxychlor	U	42	41.6666667	ug/kg
				Toxaphene	U	560	558.333333	ug/kg
		8260B		1,1,1-Trichloroethane	U	8.4	8.33333333	ug/kg
				1,1,2,2-Tetrachloroethane	U	8.4	8.33333333	ug/kg
				1,1,2-Trichloroethane	U	8.4	8.33333333	ug/kg
				1,1-Dichloroethane	U	8.4	8.33333333	ug/kg
				1,1-Dichloroethene	U	8.4	8.33333333	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	8.4	8.33333333	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL9SD-113-6147-FD	A0B190524003	8260B	SO	1,2-Dichloroethane	U	8.4	8.33333333	ug/kg
				1,2-Dichloroethene (total)	U	8.4	8.33333333	ug/kg
				1,2-Dichloropropane	U	8.4	8.33333333	ug/kg
				Benzene	U	8.4	8.33333333	ug/kg
				Bromochloromethane	U	8.4	8.33333333	ug/kg
				Bromodichloromethane	U	8.4	8.33333333	ug/kg
				Bromoform	U	8.4	8.33333333	ug/kg
				Bromomethane (Methyl bromide)	U	8.4	8.33333333	ug/kg
				Carbon disulfide	U	8.4	8.33333333	ug/kg
				Carbon tetrachloride	U	8.4	8.33333333	ug/kg
				Chlorobenzene	U	8.4	8.33333333	ug/kg
				Chlorodibromomethane	U	8.4	8.33333333	ug/kg
				Chloroethane	U	8.4	8.33333333	ug/kg
				Chloroform	U	8.4	8.33333333	ug/kg
				Chloromethane	U	8.4	8.33333333	ug/kg
				cis-1,3-Dichloropropene	U	8.4	8.33333333	ug/kg
				Ethylbenzene	U	8.4	8.33333333	ug/kg
				Methylene chloride	U	8.4	8.33333333	ug/kg
				Styrene	U	8.4	8.33333333	ug/kg
				Tetrachloroethene	U	8.4	8.33333333	ug/kg
				Toluene	U	8.4	8.33333333	ug/kg
				trans-1,3-Dichloropropene	U	8.4	8.33333333	ug/kg
				Trichloroethene	U	8.4	8.33333333	ug/kg
				Vinyl chloride	U	8.4	8.33333333	ug/kg
				Xylene (Total)	U	17	16.6666667	ug/kg
		8270C		Acenaphthene	U	84	83.3333333	ug/kg
				Acenaphthylene	U	84	83.3333333	ug/kg
				Anthracene	U	84	83.3333333	ug/kg
				Carbazole	U	84	83.3333333	ug/kg
				dibenz[a,h]anthracene	U	84	83.3333333	ug/kg
				Fluorene	U	84	83.3333333	ug/kg
				Naphthalene	U	84	83.3333333	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.0165	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL9SD-113-6147-FD	A0B190524003	8330B	SO	1,3-Dinitrobenzene	U	0.25	0.4125	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.4125	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.4125	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.4125	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.4125	mg/kg
				2-Nitrotoluene	U	0.25	0.4125	mg/kg
				3-Nitrotoluene	U	0.25	0.4125	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.4125	mg/kg
				4-Nitrotoluene	U	0.50	0.825	mg/kg
				Nitrobenzene	U	0.25	0.4125	mg/kg
LL9SD-114-5472-SD	A0B190524004	8270C	SO	1,2,4-Trichlorobenzene	U	450	445.945946	ug/kg
				1,2-Dichlorobenzene	U	450	445.945946	ug/kg
				1,3-Dichlorobenzene	U	450	445.945946	ug/kg
				1,4-Dichlorobenzene	U	450	445.945946	ug/kg
				2,4,5-Trichlorophenol	U	450	445.945946	ug/kg
				2,4,6-Trichlorophenol	U	450	445.945946	ug/kg
				2,4-Dichlorophenol	U	450	445.945946	ug/kg
				2,4-Dimethylphenol	U	450	445.945946	ug/kg
				2,4-Dinitrophenol	U	1100	1081.08108	ug/kg
				2,4-Dinitrotoluene	U	450	445.945946	ug/kg
				2,6-Dinitrotoluene	U	450	445.945946	ug/kg
				2-Chloronaphthalene	U	450	445.945946	ug/kg
				2-Chlorophenol	U	450	445.945946	ug/kg
				2-Methylphenol	U	450	445.945946	ug/kg
				2-Nitroaniline	U	1100	1081.08108	ug/kg
				2-Nitrophenol	U	450	445.945946	ug/kg
				3,3'-Dichlorobenzidine	U	450	445.945946	ug/kg
				3-methylphenol/4-methylphenol	U	450	#Error	ug/kg
				3-Nitroaniline	U	1100	1081.08108	ug/kg
				4,6-Dinitro-2-methylphenol	U	1100	1081.08108	ug/kg
				4-Bromophenyl phenyl ether	U	450	445.945946	ug/kg
				4-Chloro-3-methylphenol	U	450	445.945946	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL9SD-114-5472-SD	A0B190524004	8270C	SO	4-Chloroaniline	U	450	445.945946	ug/kg
				4-Chlorophenyl phenyl ether	U	450	445.945946	ug/kg
				4-Nitroaniline	U	1100	1081.08108	ug/kg
				4-Nitrophenol	U	1100	1081.08108	ug/kg
				Acenaphthene	U	68	67.5675676	ug/kg
				Acenaphthylene	U	68	67.5675676	ug/kg
				Anthracene	U	68	67.5675676	ug/kg
				Benzoic acid	U	1100	1081.08108	ug/kg
				bis(2-Chloroethoxy)methane	U	450	445.945946	ug/kg
				bis(2-Chloroethyl) ether	U	450	445.945946	ug/kg
				Bis(2-chloroisopropyl) ether	U	450	445.945946	ug/kg
				bis(2-Ethylhexyl) phthalate	U	450	445.945946	ug/kg
				Butyl benzyl phthalate	U	450	445.945946	ug/kg
				Carbazole	U	68	67.5675676	ug/kg
				dibenz[a,h]anthracene	U	68	67.5675676	ug/kg
				Dibenzofuran	U	450	445.945946	ug/kg
				Diethyl phthalate	U	450	445.945946	ug/kg
				Dimethyl phthalate	U	450	445.945946	ug/kg
				Di-n-butyl phthalate	U	450	445.945946	ug/kg
				Di-n-octyl phthalate	U	450	445.945946	ug/kg
				Fluorene	U	68	67.5675676	ug/kg
				Hexachlorobenzene	U	450	445.945946	ug/kg
				Hexachlorobutadiene	U	450	445.945946	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	450	#Error	ug/kg
				Hexachloroethane	U	450	445.945946	ug/kg
				Isophorone	U	450	445.945946	ug/kg
				Nitrobenzene	U	450	445.945946	ug/kg
				N-Nitrosodi-n-propylamine	U	450	445.945946	ug/kg
				N-Nitrosodiphenylamine	U	450	445.945946	ug/kg
				Pentachlorophenol	U	450	445.945946	ug/kg
				Phenol	U	450	445.945946	ug/kg
LL9SW-111-5489-SW	A0B190524005	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1485	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL9SW-111-5489-SW	A0B190524005	8330B	AQ	2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1485	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1485	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				2-Amino-4,6-dinitrotoluene	U	0.30	0.297	ug/L
				2-Nitrotoluene	U	0.15	0.1485	ug/L
				3-Nitrotoluene	U	0.50	0.495	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.25	0.2475	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1485	ug/L
				Nitrobenzene	U	0.15	0.1485	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.1485	ug/L
PBA08-QC-6000-FB	A0B190524007	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.147	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.147	ug/L
				2,4-Dinitrotoluene	U	0.15	0.147	ug/L
				2,6-Dinitrotoluene	U	0.15	0.147	ug/L
				2-Nitrotoluene	U	0.15	0.147	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.147	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.147	ug/L
				Nitrobenzene	U	0.15	0.147	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.147	ug/L
PBA08-QC-6001-ER	A0B190524008	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1485	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1485	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1485	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				2-Amino-4,6-dinitrotoluene	U	0.30	0.297	ug/L
				2-Nitrotoluene	U	0.15	0.1485	ug/L
				3-Nitrotoluene	U	0.50	0.495	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.25	0.2475	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1485	ug/L
				Nitrobenzene	U	0.15	0.1485	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
PBA08-QC-6001-ER	A0B190524008	8330B	AQ	Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.1485	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

Continuing Calibration (CCV) Outlier Report (Organics)

There are no Organic Continuing Calibrations with outliers

Continuing Calibration (CCAL) Outlier Report (Inorganics)

There are no Inorganic Continuing Calibrations with outliers

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWSSD-103-5013-SD	A0B190524010	6020	SO	Cadmium	J	0.078	0.24	mg/kg
				Silver	J	0.042	0.61	mg/kg
				Sodium	J	50.6	121	mg/kg
				Thallium	J	0.13	0.24	mg/kg
		8260B		Toluene	J	0.41	6.1	ug/kg
FWSSW-103-5012-SW	A0B190524011	6020	AQ	Cobalt	J	0.11	5.0	ug/L
				Nickel	J	0.63	10.0	ug/L
				Selenium	J	0.22	5.0	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	3.2	10	ug/L
L10SD-094-5531-SD	A0B190524013	6020	SO	Antimony	J	0.12	0.76	mg/kg
				Silver	J	0.048	0.76	mg/kg
				Sodium	J	29.8	152	mg/kg
				Thallium	J	0.17	0.30	mg/kg
		7471A		Mercury	J	0.049	0.15	mg/kg
		8260B		Toluene	J	0.42	7.6	ug/kg
		8270C		3-methylphenol/4-methylphenol	J	32	500	ug/kg
				Benz[a]anthracene	J	10	76	ug/kg
				Benzo[a]pyrene	J	12	76	ug/kg
				Benzo[b]fluoranthene	J	21	76	ug/kg
				Chrysene	J	15	76	ug/kg
				Fluoranthene	J	20	76	ug/kg
				Pyrene	J	13	76	ug/kg
LL6SD-081-5243-SD	A0B190524009	6020		Antimony	J	0.48	1.0	mg/kg
				Silver	J	0.30	1.0	mg/kg
				Sodium	J	72.6	209	mg/kg
				Thallium	J	0.32	0.42	mg/kg
		7471A		Mercury	J	0.14	0.21	mg/kg
LL9SD-111-5469-SD	A0B190524001	6020		Antimony	J	0.14	0.80	mg/kg
				Silver	J	0.056	0.80	mg/kg
				Sodium	J	32.1	161	mg/kg
				Thallium	J	0.16	0.32	mg/kg
		7471A		Mercury	J	0.086	0.16	mg/kg
		8270C		Benzo[b]fluoranthene	J	13	80	ug/kg
				Fluoranthene	J	18	80	ug/kg
				Pyrene	J	14	80	ug/kg
LL9SD-113-5471-SD	A0B190524002	6020		Antimony	J	0.16	0.80	mg/kg

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL9SD-113-5471-SD	A0B190524002	6020	SO	Silver	J	0.066	0.80	mg/kg
				Sodium	J	43.6	160	mg/kg
				Thallium	J	0.24	0.32	mg/kg
		8260B		Toluene	J	0.44	8.0	ug/kg
		8270C		Benz[a]anthracene	J	25	80	ug/kg
				Benzo[a]pyrene	J	26	80	ug/kg
				Benzo[b]fluoranthene	J	42	80	ug/kg
				Benzo[g,h,i]perylene	J	22	80	ug/kg
				Benzyl alcohol	J	36	530	ug/kg
				Chrysene	J	31	80	ug/kg
				Fluoranthene	J	57	80	ug/kg
				Indeno[1,2,3-cd]pyrene	J	19	80	ug/kg
				Phenanthrene	J	22	80	ug/kg
				Pyrene	J	44	80	ug/kg
LL9SD-113-6147-FD	A0B190524003	353.2 Modified		Nitrocellulose	B J	1.4	8.4	mg/kg
		6020		Antimony	J	0.16	0.84	mg/kg
				Silver	J	0.059	0.84	mg/kg
				Sodium	J	38.7	167	mg/kg
				Thallium	J	0.22	0.33	mg/kg
		7471A		Mercury	J	0.14	0.17	mg/kg
		8270C		Benz[a]anthracene	J	25	84	ug/kg
				Benzo[a]pyrene	J	26	84	ug/kg
				Benzo[b]fluoranthene	J	45	84	ug/kg
				Benzo[g,h,i]perylene	J	21	84	ug/kg
				Benzo[k]fluoranthene	J	17	84	ug/kg
				Chrysene	J	28	84	ug/kg
				Fluoranthene	J	57	84	ug/kg
				Indeno[1,2,3-cd]pyrene	J	18	84	ug/kg
				Phenanthrene	J	19	84	ug/kg
				Pyrene	J	41	84	ug/kg
		8330B		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetr	J PG	0.026	0.25	mg/kg
LL9SD-114-5472-SD	A0B190524004	6020		Antimony	J	0.16	0.68	mg/kg
				Silver	J	0.056	0.68	mg/kg
				Sodium	J	41.5	136	mg/kg
				Thallium	J	0.20	0.27	mg/kg
		8270C		2-Methylnaphthalene	J	14	450	ug/kg

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL9SD-114-5472-SD	A0B190524004	8270C	SO	Benz[a]anthracene	J	36	68	ug/kg
				Benzo[a]pyrene	J	39	68	ug/kg
				Benzo[b]fluoranthene	J	58	68	ug/kg
				Benzo[g,h,i]perylene	J	27	68	ug/kg
				Benzo[k]fluoranthene	J	19	68	ug/kg
				Benzyl alcohol	J	35	450	ug/kg
				Chrysene	J	40	68	ug/kg
				Indeno[1,2,3-cd]pyrene	J	24	68	ug/kg
				Naphthalene	J	9.2	68	ug/kg
				Phenanthrene	J	39	68	ug/kg
				Pyrene	J	67	68	ug/kg
		8330B		PETN	J	0.13	0.49	mg/kg
LL9SW-111-5489-SW	A0B190524005	6020	AQ	Cadmium	J	0.044	2.0	ug/L
				Cobalt	J	0.074	5.0	ug/L
				Lead	J	0.22	3.0	ug/L
				Nickel	J	1.5	10.0	ug/L
				Potassium	J	971	1000	ug/L
				Vanadium	J	0.81	10.0	ug/L
				Zinc	J	21.1	40.0	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	1.0	10	ug/L
PBA08-QC-6000-FB	A0B190524007	8260B		Toluene	J	0.53	1.0	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	3.5	10	ug/L
PBA08-QC-6001-ER	A0B190524008	6020		Vanadium	J	0.53	10.0	ug/L
				Zinc	J	10.4	40.0	ug/L
		8260B		2-Butanone (MEK)	J	0.72	10	ug/L
				Acetone	J	4.0	10	ug/L
				Toluene	J	0.42	1.0	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	1.2	10	ug/L
PBA08-QC-6010-TB	A0B190524012	8260B		Acetone	J	4.6	10	ug/L
PBA08-QC-6011-TB	A0B190524006			Acetone	J	4.6	10	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0B190524
Lab ID: TALCAN
Analysis Method : 8270C
Analysis Date : 02/23/2010
Preparation Type : 3520C
Preparation Date : 02/20/2010
Method Blank Lab Sample ID : A0B200000014B
Preparation Batch : 0051014

bis(2-Ethylhexyl) phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.9**	**10**	**ug/L**	**J**	**Common Contaminant**

bis(2-Ethylhexyl) phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWSSW-103-5012-SW	A0B190524011	1	3.2	J B	ug/L
LL9SW-111-5489-SW	A0B190524005	1	1.0	J B	ug/L
PBA08-QC-6000-FB	A0B190524007	1	3.5	J B	ug/L
PBA08-QC-6001-ER	A0B190524008	1	1.2	J B	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0B190524
Lab ID: TALCAN
Analysis Method : 6020
Analysis Date : 02/25/2010
Preparation Type : 3050B
Preparation Date : 02/24/2010
Method Blank Lab Sample ID : A0B220000030B
Preparation Batch : 0053030

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.2**	**1.0**	**mg/kg**		

Manganese contamination found in the method blank did not qualify any samples.

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.2**	**100**	**mg/kg**	**J**	

Potassium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : A0B190524
Lab ID: TALCAN
Analysis Method : 353.2 Modified
Analysis Date : 03/01/2010
Preparation Type : Gen Prep
Preparation Date : 02/25/2010
Method Blank Lab Sample ID : G0B250000149B
Preparation Batch : 0056149

Nitrocellulose	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.80**	**5.0**	**mg/kg**	**B**	

Nitrocellulose was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL9SD-113-6147-FD	A0B190524003	1	1.4	B J	mg/kg

Method Blank Outlier Report

Lab Reporting Batch : A0B190524
Lab ID: TALCAN
Analysis Method : 8260B
Analysis Date : 02/26/2010
Preparation Type : 5030B
Preparation Date : 02/26/2010
Method Blank Lab Sample ID : A0C010000098B
Preparation Batch : 0060098

2-Butanone (MEK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**3.4**	**20**	**ug/kg**	**J**	**Common Contaminant**

2-Butanone (MEK) contamination found in the method blank did not qualify any samples.

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.7**	**20**	**ug/kg**	**J**	

2-Hexanone contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**11**	**20**	**ug/kg**	**J**	**Common Contaminant**

Acetone contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : A0B190524
Lab ID: TALCAN
Analysis Method : 8260B
Analysis Date : 03/01/2010
Preparation Type : 5030B
Preparation Date : 03/01/2010
Method Blank Lab Sample ID : A0C020000193B
Preparation Batch : 0061193

2-Butanone (MEK) contamination found in the method blank did not qualify any samples.

2-Hexanone contamination found in the method blank did not qualify any samples.

Acetone contamination found in the method blank did not qualify any samples.

Surrogate Recovery Outlier Report

Lab Report Batch: A0B190524 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
PBA08-QC-6001-ER	A0B190524008	8082	1	AQ	Decachlorobiphenyl	35	40.0	135.0	10.0	All Target

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: **Lab ID:**

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifiers	RPD Dup* (%)	RPD Criteria (%)	Result Units

*Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.

Project Number and Name: ***172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI***

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260445 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5221-SO	A0B260445001	8081A	SO	4,4'-DDD	U	2.3	2.24719101	ug/kg
				4,4'-DDT	U	2.3	2.24719101	ug/kg
				Aldrin	U	4.5	4.49438202	ug/kg
				alpha-Chordane	U	3.4	3.37078652	ug/kg
				delta-BHC	U	4.5	4.49438202	ug/kg
				Endosulfan sulfate	U	3.4	3.37078652	ug/kg
				Endrin aldehyde	U	3.4	3.37078652	ug/kg
				Endrin ketone	U	2.3	2.24719101	ug/kg
				Toxaphene	U	76	75.2808989	ug/kg
		8260B		2-Butanone (MEK)	U	23	22.4719101	ug/kg
				2-Hexanone	U	23	22.4719101	ug/kg
				4-methyl-2-pentanone (MIBK)	U	23	22.4719101	ug/kg
				Acetone	U	23	22.4719101	ug/kg
		8270C		2,4-Dinitrophenol	U	900	898.876404	ug/kg
				2-Nitroaniline	U	900	898.876404	ug/kg
				3-Nitroaniline	U	900	898.876404	ug/kg
				4,6-Dinitro-2-methylphenol	U	900	898.876404	ug/kg
				4-Nitroaniline	U	900	898.876404	ug/kg
				4-Nitrophenol	U	900	898.876404	ug/kg
				Benzoic acid	U	900	898.876404	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

Continuing Calibration (CCV) Outlier Report (Organics)

There are no Organic Continuing Calibrations with outliers

Continuing Calibration (CCAL) Outlier Report (Inorganics)

There are no Inorganic Continuing Calibrations with outliers

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B260445 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL6SB-069-5221-SO	A0B260445001	6020	SO	Antimony	J	0.099	0.56	mg/kg
				Cadmium	J	0.062	0.23	mg/kg
				Silver	J	0.018	0.56	mg/kg
				Sodium	J	39.2	113	mg/kg
				Thallium	J	0.13	0.23	mg/kg
		8260B		Toluene	J	0.40	5.6	ug/kg
		8270C		bis(2-Ethylhexyl) phthalate	J B	97	370	ug/kg

Method Blank Outlier Report

Lab Reporting Batch : A0B260445
Lab ID: TALCAN
Analysis Method : 8270C
Analysis Date : 03/02/2010
Preparation Type : 3540C
Preparation Date : 02/27/2010
Method Blank Lab Sample ID : A0B270000020B
Preparation Batch : 0058020

bis(2-Ethylhexyl) phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**300**	**330**	**ug/kg**	**J**	**Common Contaminant**

bis(2-Ethylhexyl) phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL6SB-069-5221-SO	A0B260445001	1	97	J B	ug/kg

Butyl benzyl phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**72**	**330**	**ug/kg**	**J**	**Common Contaminant**

Butyl benzyl phthalate contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : A0B260445 **Lab ID:** TALCAN

Analysis Method : 8260B **Analysis Date :** 03/01/2010

Preparation Type : 5030B **Preparation Date :** 03/01/2010

Method Blank Lab Sample ID : A0C020000193B **Preparation Batch :** 0061193

2-Butanone (MEK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	3.2	20	ug/kg	J	Common Contaminant

2-Butanone (MEK) contamination found in the method blank did not qualify any samples.

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	2.0	20	ug/kg	J	

2-Hexanone contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	8.2	20	ug/kg	J	Common Contaminant

Acetone contamination found in the method blank did not qualify any samples.

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260449 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5221-SO	A0B260449001	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.0111236	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.27808989	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.27808989	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.27808989	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.27808989	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.27808989	mg/kg
				2-Nitrotoluene	U	0.25	0.27808989	mg/kg
				3-Nitrotoluene	U	0.25	0.27808989	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.27808989	mg/kg
				4-Nitrotoluene	U	0.50	0.55617978	mg/kg
				Nitrobenzene	U	0.25	0.27808989	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 0064134 **Analysis Method :** 8260B **Analysis Date :** 03/04/2010

Preparation Batch : 0064134 **Preparation Type :** 5030B **Preparation Date :** 03/04/2010

Lab Reporting Batch : A0B260454 **Lab ID:** TALCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
A0C050000134C	AQ	Chloroethane	54		10.00	60.00	135.00	30.00
A0C050000134L		Chloroethane	59	7.4	10.00	60.00	135.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWSSW-101-5008-SW	A0B260454017
LL11SW-082-5608-SW	A0B260454012
LL11SW-083-5609-SW	A0B260454013
LL11SW-084-5610-SW	A0B260454014
NTASW-145-5342-SW	A0B260454007
PBA08-QC-6012-TB	A0B260454015

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0058013 **Analysis Method :** 8270C **Analysis Date :** 03/11/2010

Preparation Batch : 0058013 **Preparation Type :** 3520C **Preparation Date :** 02/27/2010

Lab Reporting Batch : A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL11SW-083-5609-SWM	A0B260454013S	AQ	3,3'-Dichlorobenzidine	5.0		0.00	20.00	110.00	56.00
LL11SW-083-5609-SWM	A0B260454013D		2,4-Dinitrophenol		54	0.00	15.00	140.00	34.00
			3,3'-Dichlorobenzidine	4.0		0.00	20.00	110.00	56.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
LL11SW-083-5609-SW	A0B260454013

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0060019 **Analysis Method :** 7470A **Analysis Date :** 03/02/2010

Preparation Batch : 0060019 **Preparation Type :** 7470A **Preparation Date :** 03/01/2010

Lab Reporting Batch : A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL11SW-083-5609-SWM	A0B260454013D	AQ	Mercury		25	30.00	80.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
FWSSW-101-5008-SW	A0B260454017
LL11SW-082-5608-SW	A0B260454012
LL11SW-083-5609-SW	A0B260454013
LL11SW-084-5610-SW	A0B260454014
NTASW-145-5342-SW	A0B260454007

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0060020 **Analysis Method :** 6020 **Analysis Date :** 03/02/2010

Preparation Batch : 0060020 **Preparation Type :** 3050B **Preparation Date :** 03/01/2010

Lab Reporting Batch : A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL6SB-069-5219-SOMS	A0B260454001S	SO	Antimony	26		30.00	75.00	125.00	20.00
			Calcium	182		30.00	70.00	130.00	20.00
			Potassium	64		30.00	70.00	130.00	20.00
LL6SB-069-5219-SOMS	A0B260454001D		Antimony	23		30.00	75.00	125.00	20.00
			Potassium	63		30.00	70.00	130.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
FWSSD-101-5009-SD	A0B260454016
LL11SD-082-5593-SD	A0B260454009
LL11SD-083-5594-SD	A0B260454010
LL11SD-084-5595-SD	A0B260454011
LL6SB-069-5219-SO	A0B260454001
LL6SB-069-5220-SO	A0B260454002
LL6SB-077-5247-SO	A0B260454006
LL6SB-083-5233-SO	A0B260454003
LL6SB-083-5234-SO	A0B260454004
LL6SB-083-5235-SO	A0B260454005
NTASD-145-5345-SD	A0B260454008

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0062288 **Analysis Method :** 8260B **Analysis Date :** 03/02/2010

Preparation Batch : 0062288 **Preparation Type :** 5030B **Preparation Date :** 03/02/2010

Lab Reporting Batch : A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWSSD-101-5009-SDMS	A0B260454016S	SO	Styrene	44		0.00	75.00	125.00	30.00
FWSSD-101-5009-SDMS	A0B260454016D		2-Butanone (MEK)		38	0.00	30.00	160.00	33.00
			2-Hexanone	43	50	0.00	45.00	145.00	31.00
			4-methyl-2-pentanone (MIBK)		57	0.00	45.00	145.00	39.00
			Styrene		73	0.00	75.00	125.00	30.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWSSD-101-5009-SD	A0B260454016

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0064134 **Analysis Method :** 8260B **Analysis Date :** 03/04/2010

Preparation Batch : 0064134 **Preparation Type :** 5030B **Preparation Date :** 03/04/2010

Lab Reporting Batch : A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL11SW-083-5609-SWM	A0B260454013S	AQ	Chloroethane	53		0.00	60.00	135.00	30.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
LL11SW-083-5609-SW	A0B260454013

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Method Blank Outlier Report

Lab Reporting Batch : A0B260454
Lab ID: TALCAN
Analysis Method : 8270C
Analysis Date : 03/11/2010
Preparation Type : 3520C
Preparation Date : 02/27/2010
Method Blank Lab Sample ID : A0B270000013B
Preparation Batch : 0058013

bis(2-Ethylhexyl) phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.0**	**10**	**ug/L**	**J**	**Common Contaminant**

bis(2-Ethylhexyl) phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL11SW-082-5608-SW	A0B260454012	1	2.4	J B	ug/L
LL11SW-083-5609-SW	A0B260454013	1	1.3	J B	ug/L
LL11SW-084-5610-SW	A0B260454014	1	1.3	J B	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0B260454 **Lab ID:** TALCAN

Analysis Method : 6020 **Analysis Date :** 03/05/2010

Preparation Type : 3005A **Preparation Date :** 03/01/2010

Method Blank Lab Sample ID : A0C010000019B **Preparation Batch :** 0060019

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.5**	**10.0**	**ug/L**	**J**	

Manganese contamination found in the method blank did not qualify any samples.

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**52.4**	**1000**	**ug/L**	**J**	

Potassium contamination found in the method blank did not qualify any samples.

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**23.2**	**40.0**	**ug/L**	**J**	

Zinc was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL11SW-082-5608-SW	A0B260454012	1	15.3	J B	ug/L
LL11SW-084-5610-SW	A0B260454014	1	30.0	J B	ug/L
NTASW-145-5342-SW	A0B260454007	1	11.5	J B	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0B260454
Lab ID: TALCAN
Analysis Method : 8270C
Analysis Date : 03/12/2010
Preparation Type : 3540C
Preparation Date : 03/01/2010
Method Blank Lab Sample ID : A0C010000040B
Preparation Batch : 0060040

bis(2-Ethylhexyl) phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWSSD-101-5009-SD	A0B260454016	1	81	J B	ug/kg
LL11SD-082-5593-SD	A0B260454009	1	160	J B	ug/kg
LL11SD-083-5594-SD	A0B260454010	1	66	J B	ug/kg
LL11SD-084-5595-SD	A0B260454011	1	74	J B	ug/kg
LL6SB-069-5219-SO	A0B260454001	1	53	J B	ug/kg
LL6SB-069-5220-SO	A0B260454002	1	48	J B	ug/kg

Method Blank Outlier Report

Lab Reporting Batch : A0B260454 **Lab ID:** TALCAN

Analysis Method : 8260B **Analysis Date :** 03/01/2010

Preparation Type : 5030B **Preparation Date :** 03/01/2010

Method Blank Lab Sample ID : A0C020000193B **Preparation Batch :** 0061193

2-Butanone (MEK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**3.2**	**20**	**ug/kg**	**J**	**Common Contaminant**

2-Butanone (MEK) was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL11SD-082-5593-SD	A0B260454009	1	3.7	J B	ug/kg

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.0**	**20**	**ug/kg**	**J**	

2-Hexanone contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**8.2**	**20**	**ug/kg**	**J**	**Common Contaminant**

Acetone was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL11SD-082-5593-SD	A0B260454009	1	12	J B	ug/kg

Method Blank Outlier Report

Lab Reporting Batch : A0B260454 **Lab ID:** TALCAN

Analysis Method : 8260B **Analysis Date :** 03/02/2010

Preparation Type : 5030B **Preparation Date :** 03/02/2010

Method Blank Lab Sample ID : A0C030000288B **Preparation Batch :** 0062288

2-Butanone (MEK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.6**	**20**	**ug/kg**	**J**	**Common Contaminant**

2-Butanone (MEK) was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWSSD-101-5009-SD	A0B260454016	1	4.8	J B	ug/kg

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.7**	**20**	**ug/kg**	**J**	

2-Hexanone contamination found in the method blank did not qualify any samples.

4-methyl-2-pentanone (MIBK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.62**	**20**	**ug/kg**	**J**	

4-methyl-2-pentanone (MIBK) contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**11**	**20**	**ug/kg**	**J**	**Common Contaminant**

Acetone was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWSSD-101-5009-SD	A0B260454016	1	15	J B	ug/kg

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.1**	**5.0**	**ug/kg**	**J**	**Common Contaminant**

Methylene chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWSSD-101-5009-SD	A0B260454016	1	11	B	ug/kg
LL11SD-084-5595-SD	A0B260454011	1	7.3	J B	ug/kg
LL6SB-069-5219-SO	A0B260454001	1	6.0	J B	ug/kg
NTASD-145-5345-SD	A0B260454008	1	6.4	J B	ug/kg

Method Blank Outlier Report

Lab Reporting Batch : A0B260454
Lab ID: TALCAN
Analysis Method : 8260B
Analysis Date : 03/04/2010
Preparation Type : 5030B
Preparation Date : 03/04/2010
Method Blank Lab Sample ID : A0C050000134B
Preparation Batch : 0064134

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.40**	**1.0**	**ug/L**	**J**	**Common Contaminant**

Methylene chloride contamination found in the method blank did not qualify any samples.

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWSSD-101-5009-SD	A0B260454016	6020	SO	Cadmium	J	0.097	0.28	mg/kg
				Silver	J	0.026	0.69	mg/kg
				Sodium	J	23.7	138	mg/kg
		8260B		2-Butanone (MEK)	J B	4.8	28	ug/kg
				Acetone	J B	15	28	ug/kg
		8270C		bis(2-Ethylhexyl) phthalate	J B	81	450	ug/kg
FWSSW-101-5008-SW	A0B260454017	6020	AQ	Cadmium	J	0.027	2.0	ug/L
				Cobalt	J	0.14	5.0	ug/L
				Copper	J	1.4	5.0	ug/L
				Lead	J	0.28	3.0	ug/L
				Nickel	J	1.6	10.0	ug/L
				Selenium	J	0.28	5.0	ug/L
		8081A		gamma-Chlordane	J	0.048	0.050	ug/L
		8330B		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetr	J	0.088	0.15	ug/L
LL11SD-082-5593-SD	A0B260454009	6020	SO	Cadmium	J	0.056	0.26	mg/kg
				Selenium	J	0.48	0.65	mg/kg
				Silver	J	0.027	0.65	mg/kg
				Sodium	J	33.2	130	mg/kg
		8260B		2-Butanone (MEK)	J B	3.7	26	ug/kg
				Acetone	J B	12	26	ug/kg
				Carbon disulfide	J	0.63	6.5	ug/kg
				Toluene	J	0.40	6.5	ug/kg
		8270C		2-Methylnaphthalene	J	9.7	430	ug/kg
				bis(2-Ethylhexyl) phthalate	J B	160	430	ug/kg
LL11SD-083-5594-SD	A0B260454010	6020		Antimony	J	0.13	0.75	mg/kg
				Cadmium	J	0.13	0.30	mg/kg
				Silver	J	0.022	0.75	mg/kg
				Sodium	J	68.1	151	mg/kg
				Thallium	J	0.14	0.30	mg/kg
		8270C		2-Methylnaphthalene	J	13	500	ug/kg
				bis(2-Ethylhexyl) phthalate	J B	66	500	ug/kg
LL11SD-084-5595-SD	A0B260454011	6020		Silver	J	0.062	0.78	mg/kg
				Sodium	J	36.0	156	mg/kg
				Thallium	J	0.13	0.31	mg/kg
		7471A		Mercury	J	0.049	0.16	mg/kg
		8260B		Methylene chloride	J B	7.3	7.8	ug/kg

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL11SD-084-5595-SD	A0B260454011	8270C	SO	bis(2-Ethylhexyl) phthalate	J B	74	510	ug/kg
LL11SW-082-5608-SW	A0B260454012	6020	AQ	Arsenic	J	0.66	5.0	ug/L
				Cadmium	J	0.035	2.0	ug/L
				Chromium	J	0.79	5.0	ug/L
				Cobalt	J	0.26	5.0	ug/L
				Copper	J	2.4	5.0	ug/L
				Lead	J	0.43	3.0	ug/L
				Nickel	J	1.2	10.0	ug/L
				Vanadium	J	0.86	10.0	ug/L
				Zinc	J B	15.3	40.0	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	2.4	10	ug/L
LL11SW-083-5609-SW	A0B260454013	6020		Arsenic	J	0.58	5.0	ug/L
				Chromium	J	0.78	5.0	ug/L
				Cobalt	J	0.17	5.0	ug/L
				Copper	J	1.4	5.0	ug/L
				Lead	J	0.44	3.0	ug/L
				Nickel	J	0.91	10.0	ug/L
				Selenium	J	0.26	5.0	ug/L
				Vanadium	J	1.1	10.0	ug/L
		8081A		beta-BHC	J	0.013	0.050	ug/L
				gamma-Chlordane	J	0.015	0.050	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	1.3	10	ug/L
LL11SW-084-5610-SW	A0B260454014	6020		Antimony	J	0.36	5.0	ug/L
				Arsenic	J	4.3	5.0	ug/L
				Beryllium	J	0.11	1.0	ug/L
				Cadmium	J	0.24	2.0	ug/L
				Chromium	J	3.3	5.0	ug/L
				Cobalt	J	1.9	5.0	ug/L
				Nickel	J	3.9	10.0	ug/L
				Selenium	J	0.73	5.0	ug/L
				Silver	J	0.078	5.0	ug/L
				Vanadium	J	5.1	10.0	ug/L
				Zinc	J B	30.0	40.0	ug/L
		8081A		beta-BHC	J	0.0096	0.050	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	1.3	10	ug/L
LL6SB-069-5219-SO	A0B260454001	6020	SO	Antimony	J	0.11	0.62	mg/kg

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL6SB-069-5219-SO	A0B260454001	6020	SO	Cadmium	J	0.10	0.25	mg/kg
				Silver	J	0.034	0.62	mg/kg
				Sodium	J	64.9	123	mg/kg
				Thallium	J	0.21	0.25	mg/kg
		7471A		Mercury	J	0.025	0.12	mg/kg
		8260B		Methylene chloride	J B	6.0	6.2	ug/kg
		8270C		bis(2-Ethylhexyl) phthalate	J B	53	410	ug/kg
LL6SB-069-5220-SO	A0B260454002	6020		Cadmium	J	0.078	0.24	mg/kg
				Silver	J	0.017	0.59	mg/kg
				Sodium	J	79.5	118	mg/kg
				Thallium	J	0.19	0.24	mg/kg
		8270C		bis(2-Ethylhexyl) phthalate	J B	48	390	ug/kg
LL6SB-083-5233-SO	A0B260454003	6020		Cadmium	J	0.058	0.27	mg/kg
				Silver	J	0.035	0.68	mg/kg
				Sodium	J	28.4	136	mg/kg
				Thallium	J	0.14	0.27	mg/kg
LL6SB-083-5234-SO	A0B260454004			Cadmium	J	0.055	0.27	mg/kg
				Silver	J	0.030	0.68	mg/kg
				Sodium	J	86.4	136	mg/kg
				Thallium	J	0.20	0.27	mg/kg
LL6SB-083-5235-SO	A0B260454005			Cadmium	J	0.055	0.26	mg/kg
				Silver	J	0.023	0.65	mg/kg
				Sodium	J	67.5	130	mg/kg
				Thallium	J	0.16	0.26	mg/kg
		7471A		Mercury	J	0.021	0.13	mg/kg
NTASD-145-5345-SD	A0B260454008	6020		Cadmium	J	0.053	0.26	mg/kg
				Silver	J	0.032	0.65	mg/kg
				Sodium	J	91.4	130	mg/kg
				Thallium	J	0.18	0.26	mg/kg
		8260B		Methylene chloride	J B	6.4	6.5	ug/kg
		8270C		bis(2-Ethylhexyl) phthalate	J B	350	430	ug/kg
NTASW-145-5342-SW	A0B260454007	6020	AQ	Antimony	J	0.26	5.0	ug/L
				Arsenic	J	0.67	5.0	ug/L
				Cadmium	J	0.048	2.0	ug/L
				Chromium	J	0.61	5.0	ug/L
				Cobalt	J	0.27	5.0	ug/L

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
NTASW-145-5342-SW	A0B260454007	6020	AQ	Copper	J	2.4	5.0	ug/L
				Lead	J	0.52	3.0	ug/L
				Nickel	J	1.3	10.0	ug/L
				Selenium	J	0.37	5.0	ug/L
				Vanadium	J	0.67	10.0	ug/L
				Zinc	J B	11.5	40.0	ug/L
PBA08-QC-6012-TB	A0B260454015	8260B		Acetone	J	4.3	10	ug/L

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSD-101-5009-SD	A0B260454016	353.2 Modified	SO	Nitrocellulose	U	6.9	6.84931507	mg/kg
		6020		Antimony	U	0.69	0.68493151	mg/kg
				Thallium	U	0.28	0.27397260	mg/kg
		7471A		Mercury	U	0.14	0.13698630	mg/kg
		8081A		4,4'-DDD	U	28	27.3972603	ug/kg
				4,4'-DDT	U	28	27.3972603	ug/kg
				Aldrin	U	55	54.7945205	ug/kg
				beta-BHC	U	48	47.9452055	ug/kg
				delta-BHC	U	55	54.7945205	ug/kg
				Endrin ketone	U	28	27.3972603	ug/kg
				Heptachlor	U	48	47.9452055	ug/kg
				Methoxychlor	U	69	68.4931507	ug/kg
				Toxaphene	U	920	917.808219	ug/kg
		8260B		1,1,1-Trichloroethane	U	6.9	6.84931507	ug/kg
				1,1,2,2-Tetrachloroethane	U	6.9	6.84931507	ug/kg
				1,1,2-Trichloroethane	U	6.9	6.84931507	ug/kg
				1,1-Dichloroethane	U	6.9	6.84931507	ug/kg
				1,1-Dichloroethene	U	6.9	6.84931507	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	6.9	6.84931507	ug/kg
				1,2-Dichloroethane	U	6.9	6.84931507	ug/kg
				1,2-Dichloroethene (total)	U	6.9	6.84931507	ug/kg
				1,2-Dichloropropane	U	6.9	6.84931507	ug/kg
				2-Hexanone	U	28	27.3972603	ug/kg
				4-methyl-2-pentanone (MIBK)	U	28	27.3972603	ug/kg
				Benzene	U	6.9	6.84931507	ug/kg
				Bromochloromethane	U	6.9	6.84931507	ug/kg
				Bromodichloromethane	U	6.9	6.84931507	ug/kg
				Bromoform	U	6.9	6.84931507	ug/kg
				Bromomethane (Methyl bromide)	U	6.9	6.84931507	ug/kg
				Carbon disulfide	U	6.9	6.84931507	ug/kg
				Carbon tetrachloride	U	6.9	6.84931507	ug/kg
				Chlorobenzene	U	6.9	6.84931507	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSD-101-5009-SD	A0B260454016	8260B	SO	Chlorodibromomethane	U	6.9	6.84931507	ug/kg
				Chloroethane	U	6.9	6.84931507	ug/kg
				Chloroform	U	6.9	6.84931507	ug/kg
				Chloromethane	U	6.9	6.84931507	ug/kg
				cis-1,3-Dichloropropene	U	6.9	6.84931507	ug/kg
				Ethylbenzene	U	6.9	6.84931507	ug/kg
				Styrene	U	6.9	6.84931507	ug/kg
				Tetrachloroethene	U	6.9	6.84931507	ug/kg
				Toluene	U	6.9	6.84931507	ug/kg
				trans-1,3-Dichloropropene	U	6.9	6.84931507	ug/kg
				Trichloroethene	U	6.9	6.84931507	ug/kg
				Vinyl chloride	U	6.9	6.84931507	ug/kg
				Xylene (Total)	U	14	13.6986301	ug/kg
		8270C		2,4-Dinitrophenol	U	1100	1095.89041	ug/kg
				2-Nitroaniline	U	1100	1095.89041	ug/kg
				3-Nitroaniline	U	1100	1095.89041	ug/kg
				4,6-Dinitro-2-methylphenol	U	1100	1095.89041	ug/kg
				4-Nitroaniline	U	1100	1095.89041	ug/kg
				4-Nitrophenol	U	1100	1095.89041	ug/kg
				Benzoic acid	U	1100	1095.89041	ug/kg
				Carbazole	U	69	68.4931507	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.3390411	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.3390411	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.3390411	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.3390411	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.3390411	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.3390411	mg/kg
				2-Nitrotoluene	U	0.25	0.3390411	mg/kg
				3-Nitrotoluene	U	0.25	0.3390411	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.3390411	mg/kg
				4-Nitrotoluene	U	0.50	0.67808219	mg/kg
				Nitrobenzene	U	0.25	0.3390411	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWSSW-101-5008-SW	A0B260454017	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1485	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1485	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1485	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				2-Amino-4,6-dinitrotoluene	U	0.30	0.297	ug/L
				2-Nitrotoluene	U	0.15	0.1485	ug/L
				3-Nitrotoluene	U	0.50	0.495	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.25	0.2475	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1485	ug/L
				Nitrobenzene	U	0.15	0.1485	ug/L
LL11SD-082-5593-SD	A0B260454009	6020	SO	Antimony	U	0.65	0.64935065	mg/kg
				Thallium	U	0.26	0.25974026	mg/kg
		7471A		Mercury	U	0.13	0.12987013	mg/kg
		8260B		1,1,1-Trichloroethane	U	6.5	6.49350649	ug/kg
				1,1,2,2-Tetrachloroethane	U	6.5	6.49350649	ug/kg
				1,1,2-Trichloroethane	U	6.5	6.49350649	ug/kg
				1,1-Dichloroethane	U	6.5	6.49350649	ug/kg
				1,1-Dichloroethene	U	6.5	6.49350649	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	6.5	6.49350649	ug/kg
				1,2-Dichloroethane	U	6.5	6.49350649	ug/kg
				1,2-Dichloroethene (total)	U	6.5	6.49350649	ug/kg
				1,2-Dichloropropane	U	6.5	6.49350649	ug/kg
				2-Hexanone	U	26	25.974026	ug/kg
				4-methyl-2-pentanone (MIBK)	U	26	25.974026	ug/kg
				Benzene	U	6.5	6.49350649	ug/kg
				Bromochloromethane	U	6.5	6.49350649	ug/kg
				Bromodichloromethane	U	6.5	6.49350649	ug/kg
				Bromoform	U	6.5	6.49350649	ug/kg
				Bromomethane (Methyl bromide)	U	6.5	6.49350649	ug/kg
				Carbon tetrachloride	U	6.5	6.49350649	ug/kg
				Chlorobenzene	U	6.5	6.49350649	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL11SD-082-5593-SD	A0B260454009	8260B	SO	Chlorodibromomethane	U	6.5	6.49350649	ug/kg
				Chloroethane	U	6.5	6.49350649	ug/kg
				Chloroform	U	6.5	6.49350649	ug/kg
				Chloromethane	U	6.5	6.49350649	ug/kg
				cis-1,3-Dichloropropene	U	6.5	6.49350649	ug/kg
				Ethylbenzene	U	6.5	6.49350649	ug/kg
				Methylene chloride	U	6.5	6.49350649	ug/kg
				Styrene	U	6.5	6.49350649	ug/kg
				Tetrachloroethene	U	6.5	6.49350649	ug/kg
				trans-1,3-Dichloropropene	U	6.5	6.49350649	ug/kg
				Trichloroethene	U	6.5	6.49350649	ug/kg
				Vinyl chloride	U	6.5	6.49350649	ug/kg
				Xylene (Total)	U	13	12.987013	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	430	428.571429	ug/kg
				1,2-Dichlorobenzene	U	430	428.571429	ug/kg
				1,3-Dichlorobenzene	U	430	428.571429	ug/kg
				1,4-Dichlorobenzene	U	430	428.571429	ug/kg
				2,4,5-Trichlorophenol	U	430	428.571429	ug/kg
				2,4,6-Trichlorophenol	U	430	428.571429	ug/kg
				2,4-Dichlorophenol	U	430	428.571429	ug/kg
				2,4-Dimethylphenol	U	430	428.571429	ug/kg
				2,4-Dinitrotoluene	U	430	428.571429	ug/kg
				2,6-Dinitrotoluene	U	430	428.571429	ug/kg
				2-Chloronaphthalene	U	430	428.571429	ug/kg
				2-Chlorophenol	U	430	428.571429	ug/kg
				2-Methylphenol	U	430	428.571429	ug/kg
				2-Nitrophenol	U	430	428.571429	ug/kg
				3,3'-Dichlorobenzidine	U	430	428.571429	ug/kg
				3-methylphenol/4-methylphenol	U	430	428.571429	ug/kg
				4-Bromophenyl phenyl ether	U	430	428.571429	ug/kg
				4-Chloro-3-methylphenol	U	430	428.571429	ug/kg
				4-Chloroaniline	U	430	428.571429	ug/kg
				4-Chlorophenyl phenyl ether	U	430	428.571429	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL11SD-082-5593-SD	A0B260454009	8270C	SO	Benzyl alcohol	U	430	428.571429	ug/kg
				bis(2-Chloroethoxy)methane	U	430	428.571429	ug/kg
				bis(2-Chloroethyl) ether	U	430	428.571429	ug/kg
				Bis(2-chloroisopropyl) ether	U	430	428.571429	ug/kg
				Butyl benzyl phthalate	U	430	428.571429	ug/kg
				Carbazole	U	65	64.9350649	ug/kg
				Dibenzofuran	U	430	428.571429	ug/kg
				Diethyl phthalate	U	430	428.571429	ug/kg
				Dimethyl phthalate	U	430	428.571429	ug/kg
				Di-n-butyl phthalate	U	430	428.571429	ug/kg
				Di-n-octyl phthalate	U	430	428.571429	ug/kg
				Hexachlorobenzene	U	430	428.571429	ug/kg
				Hexachlorobutadiene	U	430	428.571429	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	430	428.571429	ug/kg
				Hexachloroethane	U	430	428.571429	ug/kg
				Isophorone	U	430	428.571429	ug/kg
				Nitrobenzene	U	430	428.571429	ug/kg
				N-Nitrosodi-n-propylamine	U	430	428.571429	ug/kg
				N-Nitrosodiphenylamine	U	430	428.571429	ug/kg
				Pentachlorophenol	U	430	428.571429	ug/kg
				Phenol	U	430	428.571429	ug/kg
LL11SD-083-5594-SD	A0B260454010	8081A	SO	4,4'-DDE	U	26	25.7575758	ug/kg
				alpha-BHC	U	38	37.8787879	ug/kg
				Dieldrin	U	26	25.7575758	ug/kg
				Endosulfan I	U	26	25.7575758	ug/kg
				Endosulfan II	U	38	37.8787879	ug/kg
				Endrin	U	26	25.7575758	ug/kg
				gamma-BHC (Lindane)	U	38	37.8787879	ug/kg
				gamma-Chlordane	U	26	25.7575758	ug/kg
				Heptachlor epoxide	U	38	37.8787879	ug/kg
LL11SD-084-5595-SD	A0B260454011	8260B	SO	Xylene (Total)	U	16	15.625	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL11SD-084-5595-SD	A0B260454011	8330B	SO	1,3,5-Trinitrobenzene	U	0.24	0.37109375	mg/kg
				1,3-Dinitrobenzene	U	0.24	0.37109375	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.24	0.37109375	mg/kg
				2,4-Dinitrotoluene	U	0.24	0.37109375	mg/kg
				2,6-Dinitrotoluene	U	0.24	0.37109375	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.24	0.37109375	mg/kg
				2-Nitrotoluene	U	0.24	0.37109375	mg/kg
				3-Nitrotoluene	U	0.24	0.37109375	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.24	0.37109375	mg/kg
				4-Nitrotoluene	U	0.48	0.7421875	mg/kg
				Nitrobenzene	U	0.24	0.37109375	mg/kg
LL11SW-082-5608-SW	A0B260454012	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1455	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1455	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1455	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1455	ug/L
				2-Nitrotoluene	U	0.15	0.1455	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.1455	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1455	ug/L
				Nitrobenzene	U	0.15	0.1455	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.1455	ug/L
LL11SW-083-5609-SW	A0B260454013	8330B	AQ	2-Amino-4,6-dinitrotoluene	U	0.31	0.306	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.26	0.255	ug/L
LL11SW-084-5610-SW	A0B260454014	8330B	AQ	2-Amino-4,6-dinitrotoluene	U	0.31	0.306	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.26	0.255	ug/L
LL6SB-069-5219-SO	A0B260454001	353.2 Modified	SO	Nitrocellulose	U	6.2	6.17283951	mg/kg
		8081A		4,4'-DDD	U	2.5	2.46913580	ug/kg
				4,4'-DDE	U	2.1	2.09876543	ug/kg
				4,4'-DDT	U	2.5	2.46913580	ug/kg
				alpha-BHC	U	3.1	3.08641975	ug/kg
				Dieldrin	U	2.1	2.09876543	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5219-SO	A0B260454001	8081A	SO	Endosulfan I	U	2.1	2.09876543	ug/kg
				Endosulfan II	U	3.1	3.08641975	ug/kg
				Endrin	U	2.1	2.09876543	ug/kg
				Endrin ketone	U	2.5	2.46913580	ug/kg
				gamma-BHC (Lindane)	U	3.1	3.08641975	ug/kg
				gamma-Chlordane	U	2.1	2.09876543	ug/kg
				Heptachlor epoxide	U	3.1	3.08641975	ug/kg
				Methoxychlor	U	6.2	6.17283951	ug/kg
				Toxaphene	U	83	82.7160494	ug/kg
		8082		Aroclor 1016	U	41	40.7407407	ug/kg
				Aroclor 1221	U	41	40.7407407	ug/kg
				Aroclor 1232	U	41	40.7407407	ug/kg
				Aroclor 1242	U	41	40.7407407	ug/kg
				Aroclor 1248	U	41	40.7407407	ug/kg
				Aroclor 1254	U	41	40.7407407	ug/kg
				Aroclor 1260	U	41	40.7407407	ug/kg
		8260B		1,1,1-Trichloroethane	U	6.2	6.17283951	ug/kg
				1,1,2,2-Tetrachloroethane	U	6.2	6.17283951	ug/kg
				1,1,2-Trichloroethane	U	6.2	6.17283951	ug/kg
				1,1-Dichloroethane	U	6.2	6.17283951	ug/kg
				1,1-Dichloroethene	U	6.2	6.17283951	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	6.2	6.17283951	ug/kg
				1,2-Dichloroethane	U	6.2	6.17283951	ug/kg
				1,2-Dichloroethene (total)	U	6.2	6.17283951	ug/kg
				1,2-Dichloropropane	U	6.2	6.17283951	ug/kg
				2-Butanone (MEK)	U	25	24.6913580	ug/kg
				2-Hexanone	U	25	24.6913580	ug/kg
				4-methyl-2-pentanone (MIBK)	U	25	24.6913580	ug/kg
				Acetone	U	25	24.6913580	ug/kg
				Benzene	U	6.2	6.17283951	ug/kg
				Bromochloromethane	U	6.2	6.17283951	ug/kg
				Bromodichloromethane	U	6.2	6.17283951	ug/kg
				Bromoform	U	6.2	6.17283951	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5219-SO	A0B260454001	8260B	SO	Bromomethane (Methyl bromide)	U	6.2	6.17283951	ug/kg
				Carbon disulfide	U	6.2	6.17283951	ug/kg
				Carbon tetrachloride	U	6.2	6.17283951	ug/kg
				Chlorobenzene	U	6.2	6.17283951	ug/kg
				Chlorodibromomethane	U	6.2	6.17283951	ug/kg
				Chloroethane	U	6.2	6.17283951	ug/kg
				Chloroform	U	6.2	6.17283951	ug/kg
				Chloromethane	U	6.2	6.17283951	ug/kg
				cis-1,3-Dichloropropene	U	6.2	6.17283951	ug/kg
				Ethylbenzene	U	6.2	6.17283951	ug/kg
				Styrene	U	6.2	6.17283951	ug/kg
				Tetrachloroethene	U	6.2	6.17283951	ug/kg
				Toluene	U	6.2	6.17283951	ug/kg
				trans-1,3-Dichloropropene	U	6.2	6.17283951	ug/kg
				Trichloroethene	U	6.2	6.17283951	ug/kg
				Vinyl chloride	U	6.2	6.17283951	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	410	407.407407	ug/kg
				1,2-Dichlorobenzene	U	410	407.407407	ug/kg
				1,3-Dichlorobenzene	U	410	407.407407	ug/kg
				1,4-Dichlorobenzene	U	410	407.407407	ug/kg
				2,4,5-Trichlorophenol	U	410	407.407407	ug/kg
				2,4,6-Trichlorophenol	U	410	407.407407	ug/kg
				2,4-Dichlorophenol	U	410	407.407407	ug/kg
				2,4-Dimethylphenol	U	410	407.407407	ug/kg
				2,4-Dinitrophenol	U	990	987.654321	ug/kg
				2,4-Dinitrotoluene	U	410	407.407407	ug/kg
				2,6-Dinitrotoluene	U	410	407.407407	ug/kg
				2-Chloronaphthalene	U	410	407.407407	ug/kg
				2-Chlorophenol	U	410	407.407407	ug/kg
				2-Methylnaphthalene	U	410	407.407407	ug/kg
				2-Methylphenol	U	410	407.407407	ug/kg
				2-Nitroaniline	U	990	987.654321	ug/kg
				2-Nitrophenol	U	410	407.407407	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5219-SO	A0B260454001	8270C	SO	3,3'-Dichlorobenzidine	U	410	407.407407	ug/kg
				3-methylphenol/4-methylphenol	U	410	407.407407	ug/kg
				3-Nitroaniline	U	990	987.654321	ug/kg
				4,6-Dinitro-2-methylphenol	U	990	987.654321	ug/kg
				4-Bromophenyl phenyl ether	U	410	407.407407	ug/kg
				4-Chloro-3-methylphenol	U	410	407.407407	ug/kg
				4-Chloroaniline	U	410	407.407407	ug/kg
				4-Chlorophenyl phenyl ether	U	410	407.407407	ug/kg
				4-Nitroaniline	U	990	987.654321	ug/kg
				4-Nitrophenol	U	990	987.654321	ug/kg
				Benzoic acid	U	990	987.654321	ug/kg
				Benzyl alcohol	U	410	407.407407	ug/kg
				bis(2-Chloroethoxy)methane	U	410	407.407407	ug/kg
				bis(2-Chloroethyl) ether	U	410	407.407407	ug/kg
				Bis(2-chloroisopropyl) ether	U	410	407.407407	ug/kg
				Butyl benzyl phthalate	U	410	407.407407	ug/kg
				Carbazole	U	62	61.7283951	ug/kg
				Dibenzofuran	U	410	407.407407	ug/kg
				Diethyl phthalate	U	410	407.407407	ug/kg
				Dimethyl phthalate	U	410	407.407407	ug/kg
				Di-n-butyl phthalate	U	410	407.407407	ug/kg
				Di-n-octyl phthalate	U	410	407.407407	ug/kg
				Hexachlorobenzene	U	410	407.407407	ug/kg
				Hexachlorobutadiene	U	410	407.407407	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	410	407.407407	ug/kg
				Hexachloroethane	U	410	407.407407	ug/kg
				Isophorone	U	410	407.407407	ug/kg
				Nitrobenzene	U	410	407.407407	ug/kg
				N-Nitrosodi-n-propylamine	U	410	407.407407	ug/kg
				N-Nitrosodiphenylamine	U	410	407.407407	ug/kg
				Pentachlorophenol	U	410	407.407407	ug/kg
				Phenol	U	410	407.407407	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.30555556	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5219-SO	A0B260454001	8330B	SO	1,3-Dinitrobenzene	U	0.25	0.30555556	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.30555556	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.30555556	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.30555556	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.30555556	mg/kg
				2-Nitrotoluene	U	0.25	0.30555556	mg/kg
				3-Nitrotoluene	U	0.25	0.30555556	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.30555556	mg/kg
				4-Nitrotoluene	U	0.50	0.61111111	mg/kg
				Nitrobenzene	U	0.25	0.30555556	mg/kg
LL6SB-069-5220-SO	A0B260454002	353.2 Modified	SO	Nitrocellulose	U	5.9	5.88235294	mg/kg
		6020		Antimony	U	0.59	0.58823529	mg/kg
		7471A		Mercury	U	0.12	0.11764706	mg/kg
		8081A		4,4'-DDD	U	2.4	2.35294118	ug/kg
				4,4'-DDT	U	2.4	2.35294118	ug/kg
				alpha-BHC	U	3.0	2.94117647	ug/kg
				Endosulfan II	U	3.0	2.94117647	ug/kg
				Endrin ketone	U	2.4	2.35294118	ug/kg
				gamma-BHC (Lindane)	U	3.0	2.94117647	ug/kg
				Heptachlor epoxide	U	3.0	2.94117647	ug/kg
				Methoxychlor	U	5.9	5.88235294	ug/kg
				Toxaphene	U	79	78.8235294	ug/kg
		8082		Aroclor 1016	U	39	38.8235294	ug/kg
				Aroclor 1221	U	39	38.8235294	ug/kg
				Aroclor 1232	U	39	38.8235294	ug/kg
				Aroclor 1242	U	39	38.8235294	ug/kg
				Aroclor 1248	U	39	38.8235294	ug/kg
				Aroclor 1254	U	39	38.8235294	ug/kg
				Aroclor 1260	U	39	38.8235294	ug/kg
		8260B		1,1,1-Trichloroethane	U	5.9	5.88235294	ug/kg
				1,1,2,2-Tetrachloroethane	U	5.9	5.88235294	ug/kg
				1,1,2-Trichloroethane	U	5.9	5.88235294	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5220-SO	A0B260454002	8260B	SO	1,1-Dichloroethane	U	5.9	5.88235294	ug/kg
				1,1-Dichloroethene	U	5.9	5.88235294	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	5.9	5.88235294	ug/kg
				1,2-Dichloroethane	U	5.9	5.88235294	ug/kg
				1,2-Dichloroethene (total)	U	5.9	5.88235294	ug/kg
				1,2-Dichloropropane	U	5.9	5.88235294	ug/kg
				2-Butanone (MEK)	U	24	23.5294118	ug/kg
				2-Hexanone	U	24	23.5294118	ug/kg
				4-methyl-2-pentanone (MIBK)	U	24	23.5294118	ug/kg
				Acetone	U	24	23.5294118	ug/kg
				Benzene	U	5.9	5.88235294	ug/kg
				Bromochloromethane	U	5.9	5.88235294	ug/kg
				Bromodichloromethane	U	5.9	5.88235294	ug/kg
				Bromoform	U	5.9	5.88235294	ug/kg
				Bromomethane (Methyl bromide)	U	5.9	5.88235294	ug/kg
				Carbon disulfide	U	5.9	5.88235294	ug/kg
				Carbon tetrachloride	U	5.9	5.88235294	ug/kg
				Chlorobenzene	U	5.9	5.88235294	ug/kg
				Chlorodibromomethane	U	5.9	5.88235294	ug/kg
				Chloroethane	U	5.9	5.88235294	ug/kg
				Chloroform	U	5.9	5.88235294	ug/kg
				Chloromethane	U	5.9	5.88235294	ug/kg
				cis-1,3-Dichloropropene	U	5.9	5.88235294	ug/kg
				Ethylbenzene	U	5.9	5.88235294	ug/kg
				Methylene chloride	U	5.9	5.88235294	ug/kg
				Styrene	U	5.9	5.88235294	ug/kg
				Tetrachloroethene	U	5.9	5.88235294	ug/kg
				Toluene	U	5.9	5.88235294	ug/kg
				trans-1,3-Dichloropropene	U	5.9	5.88235294	ug/kg
				Trichloroethene	U	5.9	5.88235294	ug/kg
				Vinyl chloride	U	5.9	5.88235294	ug/kg
				Xylene (Total)	U	12	11.7647059	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	390	388.235294	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5220-SO	A0B260454002	8270C	SO	1,2-Dichlorobenzene	U	390	388.235294	ug/kg
				1,3-Dichlorobenzene	U	390	388.235294	ug/kg
				1,4-Dichlorobenzene	U	390	388.235294	ug/kg
				2,4,5-Trichlorophenol	U	390	388.235294	ug/kg
				2,4,6-Trichlorophenol	U	390	388.235294	ug/kg
				2,4-Dichlorophenol	U	390	388.235294	ug/kg
				2,4-Dimethylphenol	U	390	388.235294	ug/kg
				2,4-Dinitrotoluene	U	390	388.235294	ug/kg
				2,6-Dinitrotoluene	U	390	388.235294	ug/kg
				2-Chloronaphthalene	U	390	388.235294	ug/kg
				2-Chlorophenol	U	390	388.235294	ug/kg
				2-Methylnaphthalene	U	390	388.235294	ug/kg
				2-Methylphenol	U	390	388.235294	ug/kg
				2-Nitrophenol	U	390	388.235294	ug/kg
				3,3'-Dichlorobenzidine	U	390	388.235294	ug/kg
				3-methylphenol/4-methylphenol	U	390	388.235294	ug/kg
				4-Bromophenyl phenyl ether	U	390	388.235294	ug/kg
				4-Chloro-3-methylphenol	U	390	388.235294	ug/kg
				4-Chloroaniline	U	390	388.235294	ug/kg
				4-Chlorophenyl phenyl ether	U	390	388.235294	ug/kg
				Benzyl alcohol	U	390	388.235294	ug/kg
				bis(2-Chloroethoxy)methane	U	390	388.235294	ug/kg
				bis(2-Chloroethyl) ether	U	390	388.235294	ug/kg
				Bis(2-chloroisopropyl) ether	U	390	388.235294	ug/kg
				Butyl benzyl phthalate	U	390	388.235294	ug/kg
				Carbazole	U	59	58.8235294	ug/kg
				Dibenzofuran	U	390	388.235294	ug/kg
				Diethyl phthalate	U	390	388.235294	ug/kg
				Dimethyl phthalate	U	390	388.235294	ug/kg
				Di-n-butyl phthalate	U	390	388.235294	ug/kg
				Di-n-octyl phthalate	U	390	388.235294	ug/kg
				Hexachlorobenzene	U	390	388.235294	ug/kg
				Hexachlorobutadiene	U	390	388.235294	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5220-SO	A0B260454002	8270C	SO	HEXACHLOROCYCLOPENTADIE	U	390	388.235294	ug/kg
				Hexachloroethane	U	390	388.235294	ug/kg
				Isophorone	U	390	388.235294	ug/kg
				Nitrobenzene	U	390	388.235294	ug/kg
				N-Nitrosodi-n-propylamine	U	390	388.235294	ug/kg
				N-Nitrosodiphenylamine	U	390	388.235294	ug/kg
				Pentachlorophenol	U	390	388.235294	ug/kg
				Phenol	U	390	388.235294	ug/kg
LL6SB-077-5247-SO	A0B260454006	7196A	SO	Chromium, hexavalent	U	1.1	1.06666667	mg/kg
LL6SB-083-5233-SO	A0B260454003	6020	SO	Antimony	U	0.68	0.67567568	mg/kg
		7471A		Mercury	U	0.14	0.13513514	mg/kg
LL6SB-083-5234-SO	A0B260454004	6020	SO	Antimony	U	0.68	0.67567568	mg/kg
		7471A		Mercury	U	0.14	0.13513514	mg/kg
LL6SB-083-5235-SO	A0B260454005	6020	SO	Antimony	U	0.65	0.64935065	mg/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.32142857	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.32142857	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.32142857	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.32142857	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.32142857	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.32142857	mg/kg
				2-Nitrotoluene	U	0.25	0.32142857	mg/kg
				3-Nitrotoluene	U	0.25	0.32142857	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.32142857	mg/kg
				4-Nitrotoluene	U	0.50	0.64285714	mg/kg
				Nitrobenzene	U	0.25	0.32142857	mg/kg
NTASD-145-5345-SD	A0B260454008	353.2 Modified	SO	Nitrocellulose	U	6.5	6.49350649	mg/kg
		6020		Antimony	U	0.65	0.64935065	mg/kg
		7471A		Mercury	U	0.13	0.12987013	mg/kg
		8081A		4,4'-DDD	U	26	25.974026	ug/kg
				4,4'-DDT	U	26	25.974026	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
NTASD-145-5345-SD	A0B260454008	8081A	SO	Aldrin	U	52	51.9480519	ug/kg
				alpha-BHC	U	33	32.4675325	ug/kg
				alpha-Chordane	U	39	38.961039	ug/kg
				beta-BHC	U	46	45.4545455	ug/kg
				delta-BHC	U	52	51.9480519	ug/kg
				Endosulfan II	U	33	32.4675325	ug/kg
				Endosulfan sulfate	U	39	38.961039	ug/kg
				Endrin aldehyde	U	39	38.961039	ug/kg
				Endrin ketone	U	26	25.974026	ug/kg
				gamma-BHC (Lindane)	U	33	32.4675325	ug/kg
				Heptachlor	U	46	45.4545455	ug/kg
				Heptachlor epoxide	U	33	32.4675325	ug/kg
				Methoxychlor	U	65	64.9350649	ug/kg
		8082		Aroclor 1016	U	43	42.8571429	ug/kg
				Aroclor 1221	U	43	42.8571429	ug/kg
				Aroclor 1232	U	43	42.8571429	ug/kg
				Aroclor 1242	U	43	42.8571429	ug/kg
				Aroclor 1248	U	43	42.8571429	ug/kg
				Aroclor 1254	U	43	42.8571429	ug/kg
				Aroclor 1260	U	43	42.8571429	ug/kg
		8260B		1,1,1-Trichloroethane	U	6.5	6.49350649	ug/kg
				1,1,2,2-Tetrachloroethane	U	6.5	6.49350649	ug/kg
				1,1,2-Trichloroethane	U	6.5	6.49350649	ug/kg
				1,1-Dichloroethane	U	6.5	6.49350649	ug/kg
				1,1-Dichloroethene	U	6.5	6.49350649	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	6.5	6.49350649	ug/kg
				1,2-Dichloroethane	U	6.5	6.49350649	ug/kg
				1,2-Dichloroethene (total)	U	6.5	6.49350649	ug/kg
				1,2-Dichloropropane	U	6.5	6.49350649	ug/kg
				2-Butanone (MEK)	U	26	25.974026	ug/kg
				2-Hexanone	U	26	25.974026	ug/kg
				4-methyl-2-pentanone (MIBK)	U	26	25.974026	ug/kg
				Acetone	U	26	25.974026	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
NTASD-145-5345-SD	A0B260454008	8260B	SO	Benzene	U	6.5	6.49350649	ug/kg
				Bromochloromethane	U	6.5	6.49350649	ug/kg
				Bromodichloromethane	U	6.5	6.49350649	ug/kg
				Bromoform	U	6.5	6.49350649	ug/kg
				Bromomethane (Methyl bromide)	U	6.5	6.49350649	ug/kg
				Carbon disulfide	U	6.5	6.49350649	ug/kg
				Carbon tetrachloride	U	6.5	6.49350649	ug/kg
				Chlorobenzene	U	6.5	6.49350649	ug/kg
				Chlorodibromomethane	U	6.5	6.49350649	ug/kg
				Chloroethane	U	6.5	6.49350649	ug/kg
				Chloroform	U	6.5	6.49350649	ug/kg
				Chloromethane	U	6.5	6.49350649	ug/kg
				cis-1,3-Dichloropropene	U	6.5	6.49350649	ug/kg
				Ethylbenzene	U	6.5	6.49350649	ug/kg
				Styrene	U	6.5	6.49350649	ug/kg
				Tetrachloroethene	U	6.5	6.49350649	ug/kg
				Toluene	U	6.5	6.49350649	ug/kg
				trans-1,3-Dichloropropene	U	6.5	6.49350649	ug/kg
				Trichloroethene	U	6.5	6.49350649	ug/kg
				Vinyl chloride	U	6.5	6.49350649	ug/kg
				Xylene (Total)	U	13	12.987013	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	430	428.571429	ug/kg
				1,2-Dichlorobenzene	U	430	428.571429	ug/kg
				1,3-Dichlorobenzene	U	430	428.571429	ug/kg
				1,4-Dichlorobenzene	U	430	428.571429	ug/kg
				2,4,5-Trichlorophenol	U	430	428.571429	ug/kg
				2,4,6-Trichlorophenol	U	430	428.571429	ug/kg
				2,4-Dichlorophenol	U	430	428.571429	ug/kg
				2,4-Dimethylphenol	U	430	428.571429	ug/kg
				2,4-Dinitrotoluene	U	430	428.571429	ug/kg
				2,6-Dinitrotoluene	U	430	428.571429	ug/kg
				2-Chloronaphthalene	U	430	428.571429	ug/kg
				2-Chlorophenol	U	430	428.571429	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
NTASD-145-5345-SD	A0B260454008	8270C	SO	2-Methylnaphthalene	U	430	428.571429	ug/kg
				2-Methylphenol	U	430	428.571429	ug/kg
				2-Nitrophenol	U	430	428.571429	ug/kg
				3,3'-Dichlorobenzidine	U	430	428.571429	ug/kg
				3-methylphenol/4-methylphenol	U	430	428.571429	ug/kg
				4-Bromophenyl phenyl ether	U	430	428.571429	ug/kg
				4-Chloro-3-methylphenol	U	430	428.571429	ug/kg
				4-Chloroaniline	U	430	428.571429	ug/kg
				4-Chlorophenyl phenyl ether	U	430	428.571429	ug/kg
				Benzyl alcohol	U	430	428.571429	ug/kg
				bis(2-Chloroethoxy)methane	U	430	428.571429	ug/kg
				bis(2-Chloroethyl) ether	U	430	428.571429	ug/kg
				Bis(2-chloroisopropyl) ether	U	430	428.571429	ug/kg
				Butyl benzyl phthalate	U	430	428.571429	ug/kg
				Carbazole	U	65	64.9350649	ug/kg
				Dibenzofuran	U	430	428.571429	ug/kg
				Diethyl phthalate	U	430	428.571429	ug/kg
				Dimethyl phthalate	U	430	428.571429	ug/kg
				Di-n-butyl phthalate	U	430	428.571429	ug/kg
				Di-n-octyl phthalate	U	430	428.571429	ug/kg
				Hexachlorobenzene	U	430	428.571429	ug/kg
				Hexachlorobutadiene	U	430	428.571429	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	430	428.571429	ug/kg
				Hexachloroethane	U	430	428.571429	ug/kg
				Isophorone	U	430	428.571429	ug/kg
				Nitrobenzene	U	430	428.571429	ug/kg
				N-Nitrosodi-n-propylamine	U	430	428.571429	ug/kg
				N-Nitrosodiphenylamine	U	430	428.571429	ug/kg
				Pentachlorophenol	U	430	428.571429	ug/kg
				Phenol	U	430	428.571429	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.32142857	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.32142857	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.32142857	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
NTASD-145-5345-SD	A0B260454008	8330B	SO	2,4-Dinitrotoluene	U	0.25	0.32142857	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.32142857	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.32142857	mg/kg
				2-Nitrotoluene	U	0.25	0.32142857	mg/kg
				3-Nitrotoluene	U	0.25	0.32142857	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.32142857	mg/kg
				4-Nitrotoluene	U	0.50	0.64285714	mg/kg
				Nitrobenzene	U	0.25	0.32142857	mg/kg
NTASW-145-5342-SW	A0B260454007	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1455	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1455	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1455	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1455	ug/L
				2-Nitrotoluene	U	0.15	0.1455	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.1455	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1455	ug/L
				Nitrobenzene	U	0.15	0.1455	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.1455	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

Surrogate Recovery Outlier Report

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
FWSSD-101-5009-SD	A0B260454016	8260B	1	SO	4-Bromofluorobenzene	82	85.0	120.0	10.0	All Target
FWSSD-101-5009-SDMS	A0B260454016S	8260B	1	SO	4-Bromofluorobenzene	81	85.0	120.0	10.0	All Target
FWSSD-101-5009-SDMSD	A0B260454016D	8260B	1	SO	4-Bromofluorobenzene	79	85.0	120.0	10.0	All Target
LL11SD-084-5595-SD	A0B260454011	8260B	1	SO	4-Bromofluorobenzene	78	85.0	120.0	10.0	All Target
LL6SB-069-5219-SO	A0B260454001	8260B	1	SO	4-Bromofluorobenzene	82	85.0	120.0	10.0	All Target
NTASD-145-5345-SD	A0B260454008	8260B	1	SO	4-Bromofluorobenzene	71	85.0	120.0	10.0	All Target

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
FWSSW-101-5008-SW	A0B260454017	353.2 Modified	AQ	0.3	2.0	6.0
LL11SW-082-5608-SW	A0B260454012	353.2 Modified	AQ	0.0	2.0	6.0
LL11SW-083-5609-SW	A0B260454013	353.2 Modified	AQ	1.7	2.0	6.0
LL11SW-083-5609-SWMS	A0B260454013S	353.2 Modified	AQ	1.7	2.0	6.0
LL11SW-083-5609-SWMS	A0B260454013D	353.2 Modified	AQ	1.7	2.0	6.0
LL11SW-084-5610-SW	A0B260454014	353.2 Modified	AQ	1.1	2.0	6.0
NTASD-145-5345-SD	A0B260454008	353.2 Modified	SO	0.3	2.0	6.0
NTASW-145-5342-SW	A0B260454007	353.2 Modified	AQ	0.3	2.0	6.0
FWSSW-101-5008-SW	A0B260454017	8081A	AQ	0.3	2.0	
LL11SW-082-5608-SW	A0B260454012	8081A	AQ	0.0	2.0	
LL11SW-083-5609-SW	A0B260454013	8081A	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013S	8081A	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013D	8081A	AQ	1.7	2.0	
LL11SW-084-5610-SW	A0B260454014	8081A	AQ	1.1	2.0	
NTASD-145-5345-SD	A0B260454008	8081A	SO	0.3	2.0	
NTASW-145-5342-SW	A0B260454007	8081A	AQ	0.3	2.0	
FWSSW-101-5008-SW	A0B260454017	8082	AQ	0.3	2.0	
LL11SW-082-5608-SW	A0B260454012	8082	AQ	0.0	2.0	
LL11SW-083-5609-SW	A0B260454013	8082	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013S	8082	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013D	8082	AQ	1.7	2.0	
LL11SW-084-5610-SW	A0B260454014	8082	AQ	1.1	2.0	
NTASD-145-5345-SD	A0B260454008	8082	SO	0.3	2.0	
NTASW-145-5342-SW	A0B260454007	8082	AQ	0.3	2.0	
FWSSW-101-5008-SW	A0B260454017	8260B	AQ	0.3	2.0	
LL11SW-082-5608-SW	A0B260454012	8260B	AQ	0.0	2.0	
LL11SW-083-5609-SW	A0B260454013	8260B	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013S	8260B	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013D	8260B	AQ	1.7	2.0	
LL11SW-084-5610-SW	A0B260454014	8260B	AQ	1.1	2.0	
NTASD-145-5345-SD	A0B260454008	8260B	SO	0.3	2.0	

Project Number and Name: ***172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI***

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0B260454 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
NTASW-145-5342-SW	A0B260454007	8260B	AQ	0.3	2.0	
FWSSW-101-5008-SW	A0B260454017	8270C	AQ	0.3	2.0	
LL11SW-082-5608-SW	A0B260454012	8270C	AQ	0.0	2.0	
LL11SW-083-5609-SW	A0B260454013	8270C	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013S	8270C	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013D	8270C	AQ	1.7	2.0	
LL11SW-084-5610-SW	A0B260454014	8270C	AQ	1.1	2.0	
NTASD-145-5345-SD	A0B260454008	8270C	SO	0.3	2.0	
NTASW-145-5342-SW	A0B260454007	8270C	AQ	0.3	2.0	
FWSSW-101-5008-SW	A0B260454017	8330B	AQ	0.3	2.0	
LL11SW-082-5608-SW	A0B260454012	8330B	AQ	0.0	2.0	
LL11SW-083-5609-SW	A0B260454013	8330B	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013S	8330B	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013D	8330B	AQ	1.7	2.0	
LL11SW-084-5610-SW	A0B260454014	8330B	AQ	1.1	2.0	
NTASD-145-5345-SD	A0B260454008	8330B	SO	0.3	2.0	
NTASW-145-5342-SW	A0B260454007	8330B	AQ	0.3	2.0	
FWSSW-101-5008-SW	A0B260454017	8330M	AQ	0.3	2.0	
LL11SW-082-5608-SW	A0B260454012	8330M	AQ	0.0	2.0	
LL11SW-083-5609-SW	A0B260454013	8330M	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013S	8330M	AQ	1.7	2.0	
LL11SW-083-5609-SWMS	A0B260454013D	8330M	AQ	1.7	2.0	
LL11SW-084-5610-SW	A0B260454014	8330M	AQ	1.1	2.0	
NTASD-145-5345-SD	A0B260454008	8330M	SO	0.3	2.0	
NTASW-145-5342-SW	A0B260454007	8330M	AQ	0.3	2.0	

Temperature Outlier Report

Lab Report Batch: **Lab ID:**

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	

Continuing Calibration (CCV) Outlier Report (Organics)

There are no Organic Continuing Calibrations with outliers

Continuing Calibration (CCAL) Outlier Report (Inorganics)

There are no Inorganic Continuing Calibrations with outliers

QC Outlier Report: Trip Blank

Lab Reporting Batch :
Lab ID:
Method/Preparation Batch :
Analysis Date :
Client Sample ID :
Preparation Date :
Lab Sample ID :
Preparation Type :

Analysis Method :

No contamination was found.

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0C020447 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
LL6SB-068-5217-SO	A0C020447001	8270C	SO	0.6	2.0	
LL6SB-070-5225-SO	A0C020447002	8270C	SO	0.6	2.0	
LL6SB-071-5229-SO	A0C020447003	8270C	SO	0.6	2.0	

Temperature Outlier Report

Lab Report Batch: **Lab ID:**

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020447 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-070-5225-SO	A0C020447002	6020	SO	Antimony	U	0.61	0.6097561	mg/kg
LL6SB-071-5229-SO	A0C020447003	7471A	SO	Mercury	U	0.12	0.11904762	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0C020447 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL6SB-068-5217-SO	A0C020447001	6020	SO	Antimony	J	0.083	0.60	mg/kg
				Cadmium	J	0.064	0.24	mg/kg
				Silver	J	0.020	0.60	mg/kg
				Sodium	J B	90.6	120	mg/kg
				Thallium	J	0.19	0.24	mg/kg
		7471A		Mercury	J B	0.026	0.12	mg/kg
LL6SB-070-5225-SO	A0C020447002	6020		Cadmium	J	0.058	0.24	mg/kg
				Silver	J	0.034	0.61	mg/kg
				Sodium	J B	56.8	122	mg/kg
				Thallium	J	0.14	0.24	mg/kg
LL6SB-071-5229-SO	A0C020447003			Cadmium	J	0.070	0.24	mg/kg
				Silver	J	0.022	0.59	mg/kg
				Sodium	J B	80.2	119	mg/kg
				Thallium	J	0.20	0.24	mg/kg

Method Blank Outlier Report

Lab Reporting Batch : A0C020447
Lab ID: TALCAN
Analysis Method : 6020
Analysis Date : 03/05/2010
Preparation Type : 3050B
Preparation Date : 03/03/2010
Method Blank Lab Sample ID : A0C030000015B
Preparation Batch : 0062015

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**10.6**	**10.0**	**mg/kg**		

Aluminum contamination found in the method blank did not qualify any samples.

Sodium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**28.7**	**100**	**mg/kg**	**J**	

Sodium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL6SB-068-5217-SO	A0C020447001	1	90.6	J B	mg/kg
LL6SB-070-5225-SO	A0C020447002	1	56.8	J B	mg/kg
LL6SB-071-5229-SO	A0C020447003	1	80.2	J B	mg/kg

Mercury	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.018**	**0.10**	**mg/kg**	**J**	

Mercury was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL6SB-068-5217-SO	A0C020447001	1	0.026	J B	mg/kg

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0C020453 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
LL6SB-068-5217-SO	A0C020453001	8330B	SO	0.6	2.0	
LL6SB-070-5225-SO	A0C020453002	8330B	SO	0.6	2.0	
LL6SB-071-5229-SO	A0C020453003	8330B	SO	0.6	2.0	

Temperature Outlier Report

Lab Report Batch: **Lab ID:**

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020453 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-068-5217-SO	A0C020453001	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01178571	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.29464286	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.29464286	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.29464286	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.29464286	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.29464286	mg/kg
				2-Nitrotoluene	U	0.25	0.29464286	mg/kg
				3-Nitrotoluene	U	0.25	0.29464286	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.29464286	mg/kg
				4-Nitrotoluene	U	0.50	0.58928571	mg/kg
				Nitrobenzene	U	0.25	0.29464286	mg/kg
LL6SB-070-5225-SO	A0C020453002	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01207317	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.30182927	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.30182927	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.30182927	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.30182927	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.30182927	mg/kg
				2-Nitrotoluene	U	0.25	0.30182927	mg/kg
				3-Nitrotoluene	U	0.25	0.30182927	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.30182927	mg/kg
				4-Nitrotoluene	U	0.50	0.60365854	mg/kg
				Nitrobenzene	U	0.25	0.30182927	mg/kg
LL6SB-071-5229-SO	A0C020453003	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01178571	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.29464286	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.29464286	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.29464286	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.29464286	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.29464286	mg/kg
				2-Nitrotoluene	U	0.25	0.29464286	mg/kg
				3-Nitrotoluene	U	0.25	0.29464286	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.29464286	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020453 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-071-5229-SO	A0C020453003	8330B	SO	4-Nitrotoluene	U	0.50	0.58928571	mg/kg
				Nitrobenzene	U	0.25	0.29464286	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
LL6SW-081-5242-SW	A0C020458018	353.2 Modified	AQ	0.6	2.0	6.0
LL8SD-091-5379-SD	A0C020458011	353.2 Modified	SO	0.6	2.0	6.0
LL8SD-091-6113-FD	A0C020458012	353.2 Modified	SO	0.6	2.0	6.0
LL8SW-090-5384-SW	A0C020458015	353.2 Modified	AQ	1.3	2.0	6.0
LL8SW-090-6115-FD	A0C020458014	353.2 Modified	AQ	1.7	2.0	6.0
LL8SW-091-5385-SW	A0C020458016	353.2 Modified	AQ	1.4	2.0	6.0
LL8SW-092-5383-SW	A0C020458013	353.2 Modified	AQ	0.8	2.0	6.0
LL6SW-081-5242-SW	A0C020458018	8081A	AQ	0.6	2.0	
LL8SD-091-5379-SD	A0C020458011	8081A	SO	0.6	2.0	
LL8SD-091-5379-SDMS	A0C020458011S	8081A	SO	0.6	2.0	
LL8SD-091-5379-SDMSD	A0C020458011D	8081A	SO	0.6	2.0	
LL8SD-091-6113-FD	A0C020458012	8081A	SO	0.6	2.0	
LL8SW-090-5384-SW	A0C020458015	8081A	AQ	1.3	2.0	
LL8SW-090-6115-FD	A0C020458014	8081A	AQ	1.7	2.0	
LL8SW-091-5385-SW	A0C020458016	8081A	AQ	1.4	2.0	
LL8SW-092-5383-SW	A0C020458013	8081A	AQ	0.8	2.0	
LL8SW-092-5383-SWMS	A0C020458013S	8081A	AQ	0.8	2.0	
LL8SW-092-5383-SWMSD	A0C020458013D	8081A	AQ	0.8	2.0	
LL6SW-081-5242-SW	A0C020458018	8082	AQ	0.6	2.0	
LL8SD-091-5379-SD	A0C020458011	8082	SO	0.6	2.0	
LL8SD-091-6113-FD	A0C020458012	8082	SO	0.6	2.0	
LL8SD-091-6113-FDMS	A0C020458012S	8082	SO	0.6	2.0	
LL8SD-091-6113-FDMSD	A0C020458012D	8082	SO	0.6	2.0	
LL8SW-090-5384-SW	A0C020458015	8082	AQ	1.3	2.0	
LL8SW-090-6115-FD	A0C020458014	8082	AQ	1.7	2.0	
LL8SW-090-6115-FDMS	A0C020458014S	8082	AQ	1.7	2.0	
LL8SW-090-6115-FDMSD	A0C020458014D	8082	AQ	1.7	2.0	
LL8SW-091-5385-SW	A0C020458016	8082	AQ	1.4	2.0	
LL8SW-092-5383-SW	A0C020458013	8082	AQ	0.8	2.0	

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
LL6SW-081-5242-SW	A0C020458018	8260B	AQ	0.6	2.0	
LL8SD-091-5379-SD	A0C020458011	8260B	SO	0.6	2.0	
LL8SD-091-6113-FD	A0C020458012	8260B	SO	0.6	2.0	
LL8SW-090-5384-SW	A0C020458015	8260B	AQ	1.3	2.0	
LL8SW-090-6115-FD	A0C020458014	8260B	AQ	1.7	2.0	
LL8SW-091-5385-SW	A0C020458016	8260B	AQ	1.4	2.0	
LL8SW-092-5383-SW	A0C020458013	8260B	AQ	0.8	2.0	
PBA08-QC-6013-TB	A0C020458017	8260B	AQ	1.7	2.0	
PBA08-QC-6015-TB	A0C020458019	8260B	AQ	0.6	2.0	
LL6SB-068-5215-SO	A0C020458001	8270C	SO	0.6	2.0	
LL6SB-068-5216-SO	A0C020458002	8270C	SO	0.6	2.0	
LL6SB-070-5223-SO	A0C020458003	8270C	SO	0.6	2.0	
LL6SB-070-5224-SO	A0C020458004	8270C	SO	0.6	2.0	
LL6SB-070-5224-SOMS	A0C020458004S	8270C	SO	0.6	2.0	
LL6SB-070-5224-SOMSD	A0C020458004D	8270C	SO	0.6	2.0	
LL6SB-071-5227-SO	A0C020458005	8270C	SO	0.6	2.0	
LL6SB-071-5228-SO	A0C020458006	8270C	SO	0.6	2.0	
LL6SB-071-6068-FD	A0C020458007	8270C	SO	0.6	2.0	
LL6SB-071-6069-FD	A0C020458008	8270C	SO	0.6	2.0	
LL6SW-081-5242-SW	A0C020458018	8270C	AQ	0.6	2.0	
LL8SD-090-5378-SD	A0C020458010	8270C	SO	0.6	2.0	
LL8SD-091-5379-SD	A0C020458011	8270C	SO	0.6	2.0	
LL8SD-091-6113-FD	A0C020458012	8270C	SO	0.6	2.0	
LL8SD-092-5377-SD	A0C020458009	8270C	SO	0.6	2.0	
LL8SW-090-5384-SW	A0C020458015	8270C	AQ	1.3	2.0	
LL8SW-090-6115-FD	A0C020458014	8270C	AQ	1.7	2.0	
LL8SW-091-5385-SW	A0C020458016	8270C	AQ	1.4	2.0	
LL8SW-092-5383-SW	A0C020458013	8270C	AQ	0.8	2.0	
LL8SW-092-5383-SWMS	A0C020458013S	8270C	AQ	0.8	2.0	

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
LL8SW-092-5383-SWMSD	A0C020458013D	8270C	AQ	0.8	2.0	
LL6SB-068-5215-SO	A0C020458001	8330B	SO	0.6	2.0	
LL6SB-068-5216-SO	A0C020458002	8330B	SO	0.6	2.0	
LL6SB-070-5223-SO	A0C020458003	8330B	SO	0.6	2.0	
LL6SB-070-5224-SO	A0C020458004	8330B	SO	0.6	2.0	
LL6SB-070-5224-SOMS	A0C020458004S	8330B	SO	0.6	2.0	
LL6SB-070-5224-SOMSD	A0C020458004D	8330B	SO	0.6	2.0	
LL6SB-071-5227-SO	A0C020458005	8330B	SO	0.6	2.0	
LL6SB-071-5228-SO	A0C020458006	8330B	SO	0.6	2.0	
LL6SB-071-6068-FD	A0C020458007	8330B	SO	0.6	2.0	
LL6SB-071-6069-FD	A0C020458008	8330B	SO	0.6	2.0	
LL6SW-081-5242-SW	A0C020458018	8330B	AQ	0.6	2.0	
LL8SD-090-5378-SD	A0C020458010	8330B	SO	0.6	2.0	
LL8SD-091-5379-SD	A0C020458011	8330B	SO	0.6	2.0	
LL8SD-091-6113-FD	A0C020458012	8330B	SO	0.6	2.0	
LL8SD-092-5377-SD	A0C020458009	8330B	SO	0.6	2.0	
LL8SW-090-5384-SW	A0C020458015	8330B	AQ	1.3	2.0	
LL8SW-090-6115-FD	A0C020458014	8330B	AQ	1.7	2.0	
LL8SW-091-5385-SW	A0C020458016	8330B	AQ	1.4	2.0	
LL8SW-092-5383-SW	A0C020458013	8330B	AQ	0.8	2.0	
LL6SW-081-5242-SW	A0C020458018	8330M	AQ	0.6	2.0	
LL8SD-091-5379-SD	A0C020458011	8330M	SO	0.6	2.0	
LL8SD-091-6113-FD	A0C020458012	8330M	SO	0.6	2.0	
LL8SW-090-5384-SW	A0C020458015	8330M	AQ	1.3	2.0	
LL8SW-090-6115-FD	A0C020458014	8330M	AQ	1.7	2.0	
LL8SW-091-5385-SW	A0C020458016	8330M	AQ	1.4	2.0	
LL8SW-092-5383-SW	A0C020458013	8330M	AQ	0.8	2.0	
LL8SW-090-5384-SW	A0C020458015	9056	AQ	1.3	2.0	6.0
LL8SW-090-6115-FD	A0C020458014	9056	AQ	1.7	2.0	6.0

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
LL8SW-091-5385-SW	A0C020458016	9056	AQ	1.4	2.0	6.0
LL8SW-092-5383-SW	A0C020458013	9056	AQ	0.8	2.0	6.0
LL8SW-092-5383-SWMS	A0C020458013S	9056	AQ	0.8	2.0	6.0
LL8SW-092-5383-SWMSD	A0C020458013D	9056	AQ	0.8	2.0	6.0

Temperature Outlier Report

Lab Report Batch: **Lab ID:**

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0062015 **Analysis Method :** 6020 **Analysis Date :** 03/05/2010

Preparation Batch : 0062015 **Preparation Type :** 3050B **Preparation Date :** 03/03/2010

Lab Reporting Batch : A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL6SB-070-5224-SOMS	A0C020458004S	SO	Antimony	28		30.00	75.00	125.00	20.00
			Vanadium	184		30.00	39.00	129.00	20.00
LL6SB-070-5224-SOMS	A0C020458004D		Antimony	23		30.00	75.00	125.00	20.00
			Magnesium	69		30.00	70.00	130.00	20.00
			Potassium		21	30.00	70.00	130.00	20.00
			Vanadium		31	30.00	39.00	129.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
LL6SB-068-5215-SO	A0C020458001
LL6SB-068-5216-SO	A0C020458002
LL6SB-070-5223-SO	A0C020458003
LL6SB-070-5224-SO	A0C020458004
LL6SB-071-5227-SO	A0C020458005
LL6SB-071-5228-SO	A0C020458006
LL6SB-071-6068-FD	A0C020458007
LL6SB-071-6069-FD	A0C020458008
LL8SD-090-5378-SD	A0C020458010
LL8SD-091-5379-SD	A0C020458011
LL8SD-091-6113-FD	A0C020458012
LL8SD-092-5377-SD	A0C020458009

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0062027 **Analysis Method :** 8270C **Analysis Date :** 03/10/2010

Preparation Batch : 0062027 **Preparation Type :** 3520C **Preparation Date :** 03/03/2010

Lab Reporting Batch : A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL8SW-092-5383-SWMS	A0C020458013S	AQ	2,4,6-Trichlorophenol	44		0.00	50.00	115.00	37.00
			2,4-Dichlorophenol	46		0.00	50.00	105.00	59.00
			2-Chlorophenol	34		0.00	35.00	105.00	43.00
			Anthracene	54		0.00	55.00	110.00	22.00
			Benzo[a]pyrene	50		0.00	55.00	110.00	34.00
LL8SW-092-5383-SWMS	A0C020458013D		2,4,6-Trichlorophenol		41	0.00	50.00	115.00	37.00
			2-Chlorophenol		54	0.00	35.00	105.00	43.00
			2-Nitrophenol		46	0.00	40.00	115.00	27.00
			Benzo[a]pyrene	54		0.00	55.00	110.00	34.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
LL8SW-092-5383-SW	A0C020458013

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0062028 **Analysis Method :** 8081A **Analysis Date :** 03/16/2010

Preparation Batch : 0062028 **Preparation Type :** 3540C **Preparation Date :** 03/03/2010

Lab Reporting Batch : A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL8SD-091-5379-SDMS	A0C020458011S	SO	4,4'-DDE	60		0.00	70.00	125.00	39.00
			alpha-Chordane	57		0.00	65.00	120.00	65.00
			delta-BHC	44		0.00	55.00	130.00	34.00
			Dieldrin	62		0.00	65.00	125.00	33.00
			Endrin	55		0.00	60.00	135.00	38.00
			Endrin ketone	59		0.00	65.00	135.00	32.00
			gamma-Chlordane	61		0.00	65.00	125.00	36.00
			Heptachlor epoxide	61		0.00	65.00	130.00	43.00
LL8SD-091-5379-SDMS	A0C020458011D		4,4'-DDD		47	0.00	30.00	135.00	35.00
			4,4'-DDE		50	0.00	70.00	125.00	39.00
			4,4'-DDT		49	0.00	45.00	140.00	42.00
			Aldrin		48	0.00	45.00	140.00	40.00
			alpha-BHC		48	0.00	60.00	125.00	40.00
			delta-BHC		51	0.00	55.00	130.00	34.00
			Dieldrin		49	0.00	65.00	125.00	33.00
			Endosulfan I		49	0.00	15.00	135.00	41.00
			Endosulfan II		46	0.00	35.00	140.00	27.00
			Endosulfan sulfate		45	0.00	60.00	135.00	34.00
			Endrin		46	0.00	60.00	135.00	38.00
			Endrin aldehyde		44	0.00	35.00	145.00	29.00
			Endrin ketone		46	0.00	65.00	135.00	32.00
			gamma-BHC (Lindane)		38	0.00	60.00	125.00	36.00
			gamma-Chlordane		47	0.00	65.00	125.00	36.00
			Heptachlor epoxide		48	0.00	65.00	130.00	43.00
			Methoxychlor		45	0.00	55.00	145.00	41.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
LL8SD-091-5379-SD	A0C020458011

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 0064134 **Analysis Method :** 8260B **Analysis Date :** 03/04/2010

Preparation Batch : 0064134 **Preparation Type :** 5030B **Preparation Date :** 03/04/2010

Lab Reporting Batch : A0C020458 **Lab ID:** TALCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
A0C050000134C	AQ	Chloroethane	54		10.00	60.00	135.00	30.00
A0C050000134L		Chloroethane	59	7.4	10.00	60.00	135.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
LL6SW-081-5242-SW	A0C020458018
LL8SW-090-5384-SW	A0C020458015
LL8SW-090-6115-FD	A0C020458014
LL8SW-091-5385-SW	A0C020458016
LL8SW-092-5383-SW	A0C020458013
PBA08-QC-6013-TB	A0C020458017
PBA08-QC-6015-TB	A0C020458019

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-068-5215-SO	A0C020458001	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01178571	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.29464286	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.29464286	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.29464286	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.29464286	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.29464286	mg/kg
				2-Nitrotoluene	U	0.25	0.29464286	mg/kg
				3-Nitrotoluene	U	0.25	0.29464286	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.29464286	mg/kg
				4-Nitrotoluene	U	0.50	0.58928571	mg/kg
				Nitrobenzene	U	0.25	0.29464286	mg/kg
LL6SB-071-5227-SO	A0C020458005	8330B	SO	1,3,5-Trinitrobenzene	U	0.26	0.01324675	mg/kg
				1,3-Dinitrobenzene	U	0.26	0.33116883	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.26	0.33116883	mg/kg
				2,4-Dinitrotoluene	U	0.26	0.33116883	mg/kg
				2,6-Dinitrotoluene	U	0.26	0.33116883	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.26	0.33116883	mg/kg
				2-Nitrotoluene	U	0.26	0.33116883	mg/kg
				3-Nitrotoluene	U	0.26	0.33116883	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.26	0.33116883	mg/kg
				Nitrobenzene	U	0.26	0.33116883	mg/kg
LL6SB-071-5228-SO	A0C020458006	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01192771	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.29819277	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.29819277	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.29819277	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.29819277	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.29819277	mg/kg
				2-Nitrotoluene	U	0.25	0.29819277	mg/kg
				3-Nitrotoluene	U	0.25	0.29819277	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.29819277	mg/kg
				4-Nitrotoluene	U	0.50	0.59638554	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-071-5228-SO	A0C020458006	8330B	SO	Nitrobenzene	U	0.25	0.29819277	mg/kg
LL6SW-081-5242-SW	A0C020458018	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1485	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1485	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1485	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				2-Amino-4,6-dinitrotoluene	U	0.30	0.297	ug/L
				2-Nitrotoluene	U	0.15	0.1485	ug/L
				3-Nitrotoluene	U	0.50	0.495	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.25	0.2475	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1485	ug/L
				Nitrobenzene	U	0.15	0.1485	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.1485	ug/L
LL8SD-090-5378-SD	A0C020458010	6020	SO	Antimony	U	0.70	0.69444444	mg/kg
		8270C		1,2,4-Trichlorobenzene	U	460	458.333333	ug/kg
				1,2-Dichlorobenzene	U	460	458.333333	ug/kg
				1,3-Dichlorobenzene	U	460	458.333333	ug/kg
				1,4-Dichlorobenzene	U	460	458.333333	ug/kg
				2,4,5-Trichlorophenol	U	460	458.333333	ug/kg
				2,4,6-Trichlorophenol	U	460	458.333333	ug/kg
				2,4-Dichlorophenol	U	460	458.333333	ug/kg
				2,4-Dimethylphenol	U	460	458.333333	ug/kg
				2,4-Dinitrotoluene	U	460	458.333333	ug/kg
				2,6-Dinitrotoluene	U	460	458.333333	ug/kg
				2-Chloronaphthalene	U	460	458.333333	ug/kg
				2-Chlorophenol	U	460	458.333333	ug/kg
				2-Methylnaphthalene	U	460	458.333333	ug/kg
				2-Methylphenol	U	460	458.333333	ug/kg
				2-Nitrophenol	U	460	458.333333	ug/kg
				3,3'-Dichlorobenzidine	U	460	458.333333	ug/kg
				3-methylphenol/4-methylphenol	U	460	#Error	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL8SD-090-5378-SD	A0C020458010	8270C	SO	4-Bromophenyl phenyl ether	U	460	458.333333	ug/kg
				4-Chloro-3-methylphenol	U	460	458.333333	ug/kg
				4-Chloroaniline	U	460	458.333333	ug/kg
				4-Chlorophenyl phenyl ether	U	460	458.333333	ug/kg
				Acenaphthene	U	70	69.4444444	ug/kg
				Acenaphthylene	U	70	69.4444444	ug/kg
				Anthracene	U	70	69.4444444	ug/kg
				Benz[a]anthracene	U	70	69.4444444	ug/kg
				Benzo[a]pyrene	U	70	69.4444444	ug/kg
				Benzo[b]fluoranthene	U	70	69.4444444	ug/kg
				Benzo[g,h,i]perylene	U	70	69.4444444	ug/kg
				Benzo[k]fluoranthene	U	70	69.4444444	ug/kg
				Benzyl alcohol	U	460	458.333333	ug/kg
				bis(2-Chloroethoxy)methane	U	460	458.333333	ug/kg
				bis(2-Chloroethyl) ether	U	460	458.333333	ug/kg
				Bis(2-chloroisopropyl) ether	U	460	458.333333	ug/kg
				bis(2-Ethylhexyl) phthalate	U	460	458.333333	ug/kg
				Butyl benzyl phthalate	U	460	458.333333	ug/kg
				Carbazole	U	70	69.4444444	ug/kg
				Chrysene	U	70	69.4444444	ug/kg
				dibenz[a,h]anthracene	U	70	69.4444444	ug/kg
				Dibenzofuran	U	460	458.333333	ug/kg
				Diethyl phthalate	U	460	458.333333	ug/kg
				Dimethyl phthalate	U	460	458.333333	ug/kg
				Di-n-butyl phthalate	U	460	458.333333	ug/kg
				Di-n-octyl phthalate	U	460	458.333333	ug/kg
				Fluoranthene	U	70	69.4444444	ug/kg
				Fluorene	U	70	69.4444444	ug/kg
				Hexachlorobenzene	U	460	458.333333	ug/kg
				Hexachlorobutadiene	U	460	458.333333	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	460	#Error	ug/kg
				Hexachloroethane	U	460	458.333333	ug/kg
				Indeno[1,2,3-cd]pyrene	U	70	69.4444444	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL8SD-090-5378-SD	A0C020458010	8270C	SO	Isophorone	U	460	458.333333	ug/kg
				Naphthalene	U	70	69.4444444	ug/kg
				Nitrobenzene	U	460	458.333333	ug/kg
				N-Nitrosodi-n-propylamine	U	460	458.333333	ug/kg
				N-Nitrosodiphenylamine	U	460	458.333333	ug/kg
				Pentachlorophenol	U	460	458.333333	ug/kg
				Phenanthrene	U	70	69.4444444	ug/kg
				Phenol	U	460	458.333333	ug/kg
				Pyrene	U	70	458.333333	ug/kg
LL8SD-091-5379-SD	A0C020458011	8081A	SO	Methoxychlor	U	14	13.8888889	ug/kg
				Toxaphene	U	190	186.111111	ug/kg
		8082		Aroclor 1016	U	46	2.36111111	ug/kg
				Aroclor 1221	U	46	2.36111111	ug/kg
				Aroclor 1232	U	46	2.36111111	ug/kg
				Aroclor 1242	U	46	2.36111111	ug/kg
				Aroclor 1248	U	46	2.36111111	ug/kg
				Aroclor 1254	U	46	2.36111111	ug/kg
				Aroclor 1260	U	46	2.36111111	ug/kg
		8260B		2-Hexanone	U	28	27.7777778	ug/kg
				4-methyl-2-pentanone (MIBK)	U	28	27.7777778	ug/kg
				Xylene (Total)	U	14	13.8888889	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	460	458.333333	ug/kg
				1,2-Dichlorobenzene	U	460	458.333333	ug/kg
				1,3-Dichlorobenzene	U	460	458.333333	ug/kg
				1,4-Dichlorobenzene	U	460	458.333333	ug/kg
				2,4,5-Trichlorophenol	U	460	458.333333	ug/kg
				2,4,6-Trichlorophenol	U	460	458.333333	ug/kg
				2,4-Dichlorophenol	U	460	458.333333	ug/kg
				2,4-Dimethylphenol	U	460	458.333333	ug/kg
				2,4-Dinitrotoluene	U	460	458.333333	ug/kg
				2,6-Dinitrotoluene	U	460	458.333333	ug/kg
				2-Chloronaphthalene	U	460	458.333333	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL8SD-091-5379-SD	A0C020458011	8270C	SO	2-Chlorophenol	U	460	458.333333	ug/kg
				2-Methylnaphthalene	U	460	458.333333	ug/kg
				2-Methylphenol	U	460	458.333333	ug/kg
				2-Nitrophenol	U	460	458.333333	ug/kg
				3,3'-Dichlorobenzidine	U	460	458.333333	ug/kg
				3-methylphenol/4-methylphenol	U	460	#Error	ug/kg
				4-Bromophenyl phenyl ether	U	460	458.333333	ug/kg
				4-Chloro-3-methylphenol	U	460	458.333333	ug/kg
				4-Chloroaniline	U	460	458.333333	ug/kg
				4-Chlorophenyl phenyl ether	U	460	458.333333	ug/kg
				Benzyl alcohol	U	460	458.333333	ug/kg
				bis(2-Chloroethoxy)methane	U	460	458.333333	ug/kg
				bis(2-Chloroethyl) ether	U	460	458.333333	ug/kg
				Bis(2-chloroisopropyl) ether	U	460	458.333333	ug/kg
				bis(2-Ethylhexyl) phthalate	U	460	458.333333	ug/kg
				Butyl benzyl phthalate	U	460	458.333333	ug/kg
				Dibenzofuran	U	460	458.333333	ug/kg
				Diethyl phthalate	U	460	458.333333	ug/kg
				Dimethyl phthalate	U	460	458.333333	ug/kg
				Di-n-butyl phthalate	U	460	458.333333	ug/kg
				Di-n-octyl phthalate	U	460	458.333333	ug/kg
				Hexachlorobenzene	U	460	458.333333	ug/kg
				Hexachlorobutadiene	U	460	458.333333	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	460	#Error	ug/kg
				Hexachloroethane	U	460	458.333333	ug/kg
				Isophorone	U	460	458.333333	ug/kg
				Nitrobenzene	U	460	458.333333	ug/kg
				N-Nitrosodi-n-propylamine	U	460	458.333333	ug/kg
				N-Nitrosodiphenylamine	U	460	458.333333	ug/kg
				Pentachlorophenol	U	460	458.333333	ug/kg
				Phenol	U	460	458.333333	ug/kg
LL8SD-091-6113-FD	A0C020458012	6020	SO	Thallium	U	0.29	0.28571429	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL8SD-091-6113-FD	A0C020458012	8081A	SO	alpha-Chordane	U	8.6	8.57142857	ug/kg
				Dieldrin	U	4.9	4.85714286	ug/kg
				Endosulfan I	U	4.9	4.85714286	ug/kg
				Endosulfan sulfate	U	8.6	8.57142857	ug/kg
				Endrin	U	4.9	4.85714286	ug/kg
				Endrin aldehyde	U	8.6	8.57142857	ug/kg
				gamma-Chlordane	U	4.9	4.85714286	ug/kg
		8260B		2-Hexanone	U	29	28.5714286	ug/kg
				4-methyl-2-pentanone (MIBK)	U	29	28.5714286	ug/kg
LL8SD-092-5377-SD	A0C020458009	8270C	SO	1,2,4-Trichlorobenzene	U	520	515.625	ug/kg
				1,2-Dichlorobenzene	U	520	515.625	ug/kg
				1,3-Dichlorobenzene	U	520	515.625	ug/kg
				1,4-Dichlorobenzene	U	520	515.625	ug/kg
				2,4,5-Trichlorophenol	U	520	515.625	ug/kg
				2,4,6-Trichlorophenol	U	520	515.625	ug/kg
				2,4-Dichlorophenol	U	520	515.625	ug/kg
				2,4-Dimethylphenol	U	520	515.625	ug/kg
				2,4-Dinitrotoluene	U	520	515.625	ug/kg
				2,6-Dinitrotoluene	U	520	515.625	ug/kg
				2-Chloronaphthalene	U	520	515.625	ug/kg
				2-Chlorophenol	U	520	515.625	ug/kg
				2-Methylnaphthalene	U	520	515.625	ug/kg
				2-Methylphenol	U	520	515.625	ug/kg
				2-Nitrophenol	U	520	515.625	ug/kg
				3,3'-Dichlorobenzidine	U	520	515.625	ug/kg
				3-methylphenol/4-methylphenol	U	520	#Error	ug/kg
				4-Bromophenyl phenyl ether	U	520	515.625	ug/kg
				4-Chloro-3-methylphenol	U	520	515.625	ug/kg
				4-Chloroaniline	U	520	515.625	ug/kg
				4-Chlorophenyl phenyl ether	U	520	515.625	ug/kg
				Benzyl alcohol	U	520	515.625	ug/kg
				bis(2-Chloroethoxy)methane	U	520	515.625	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL8SD-092-5377-SD	A0C020458009	8270C	SO	bis(2-Chloroethyl) ether	U	520	515.625	ug/kg
				Bis(2-chloroisopropyl) ether	U	520	515.625	ug/kg
				bis(2-Ethylhexyl) phthalate	U	520	515.625	ug/kg
				Butyl benzyl phthalate	U	520	515.625	ug/kg
				Dibenzofuran	U	520	515.625	ug/kg
				Diethyl phthalate	U	520	515.625	ug/kg
				Dimethyl phthalate	U	520	515.625	ug/kg
				Di-n-butyl phthalate	U	520	515.625	ug/kg
				Di-n-octyl phthalate	U	520	515.625	ug/kg
				Hexachlorobenzene	U	520	515.625	ug/kg
				Hexachlorobutadiene	U	520	515.625	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	520	#Error	ug/kg
				Hexachloroethane	U	520	515.625	ug/kg
				Isophorone	U	520	515.625	ug/kg
				Nitrobenzene	U	520	515.625	ug/kg
				N-Nitrosodi-n-propylamine	U	520	515.625	ug/kg
				N-Nitrosodiphenylamine	U	520	515.625	ug/kg
				Pentachlorophenol	U	520	515.625	ug/kg
				Phenol	U	520	515.625	ug/kg
LL8SW-090-6115-FD	A0C020458014	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.147	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.147	ug/L
				2,4-Dinitrotoluene	U	0.15	0.147	ug/L
				2,6-Dinitrotoluene	U	0.15	0.147	ug/L
				2-Nitrotoluene	U	0.15	0.147	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.147	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.147	ug/L
				Nitrobenzene	U	0.15	0.147	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.147	ug/L
LL8SW-091-5385-SW	A0C020458016	8330B	AQ	2-Amino-4,6-dinitrotoluene	U	0.31	0.306	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.26	0.255	ug/L
LL8SW-092-5383-SW	A0C020458013	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1485	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL8SW-092-5383-SW	A0C020458013	8330B	AQ	2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1485	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1485	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				2-Amino-4,6-dinitrotoluene	U	0.30	0.297	ug/L
				2-Nitrotoluene	U	0.15	0.1485	ug/L
				3-Nitrotoluene	U	0.50	0.495	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.25	0.2475	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1485	ug/L
				Nitrobenzene	U	0.15	0.1485	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.1485	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Trip Blank

Lab Reporting Batch :
Lab ID:
Method/Preparation Batch :
Analysis Date :
Client Sample ID :
Preparation Date :
Lab Sample ID :
Preparation Type :

Analysis Method :

No contamination was found.

Continuing Calibration (CCV) Outlier Report (Organics)

There are no Organic Continuing Calibrations with outliers

Continuing Calibration (CCAL) Outlier Report (Inorganics)

There are no Inorganic Continuing Calibrations with outliers

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL6SB-068-5215-SO	A0C020458001	6020	SO	Antimony	J	0.097	0.60	mg/kg
				Cadmium	J	0.13	0.24	mg/kg
				Silver	J	0.019	0.60	mg/kg
				Sodium	J B	30.1	120	mg/kg
				Thallium	J	0.10	0.24	mg/kg
		7471A		Mercury	J B	0.019	0.12	mg/kg
LL6SB-068-5216-SO	A0C020458002	6020		Antimony	J	0.077	0.61	mg/kg
				Cadmium	J	0.056	0.24	mg/kg
				Silver	J	0.027	0.61	mg/kg
				Sodium	J B	39.2	122	mg/kg
				Thallium	J	0.17	0.24	mg/kg
		7471A		Mercury	J B	0.039	0.12	mg/kg
LL6SB-070-5223-SO	A0C020458003	6020		Antimony	J	0.085	0.62	mg/kg
				Cadmium	J	0.053	0.25	mg/kg
				Silver	J	0.034	0.62	mg/kg
				Sodium	J B	44.1	124	mg/kg
				Thallium	J	0.17	0.25	mg/kg
		7471A		Mercury	J B	0.030	0.12	mg/kg
LL6SB-070-5224-SO	A0C020458004	6020		Antimony	J	0.094	0.60	mg/kg
				Cadmium	J	0.039	0.24	mg/kg
				Silver	J	0.019	0.60	mg/kg
				Sodium	J B	66.1	120	mg/kg
				Thallium	J	0.15	0.24	mg/kg
		7471A		Mercury	J B	0.038	0.12	mg/kg
LL6SB-071-5227-SO	A0C020458005	6020		Antimony	J	0.13	0.65	mg/kg
				Cadmium	J	0.20	0.26	mg/kg
				Silver	J	0.029	0.65	mg/kg
				Sodium	J B	56.1	130	mg/kg
				Thallium	J	0.17	0.26	mg/kg
		7471A		Mercury	J B	0.022	0.13	mg/kg
LL6SB-071-5228-SO	A0C020458006	6020		Cadmium	J	0.058	0.24	mg/kg
				Silver	J	0.018	0.60	mg/kg
				Sodium	J B	76.2	120	mg/kg
				Thallium	J	0.17	0.24	mg/kg
		7471A		Mercury	J B	0.026	0.12	mg/kg
LL6SB-071-6068-FD	A0C020458007	6020		Cadmium	J	0.049	0.24	mg/kg

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL6SB-071-6068-FD	A0C020458007	6020	SO	Silver	J	0.023	0.60	mg/kg
				Sodium	J B	57.3	120	mg/kg
				Thallium	J	0.16	0.24	mg/kg
LL6SB-071-6069-FD	A0C020458008			Cadmium	J	0.060	0.24	mg/kg
				Silver	J	0.021	0.59	mg/kg
				Sodium	J B	79.3	119	mg/kg
				Thallium	J	0.20	0.24	mg/kg
		7471A		Mercury	J B	0.018	0.12	mg/kg
LL6SW-081-5242-SW	A0C020458018	6020	AQ	Arsenic	J	0.93	5.0	ug/L
				Cadmium	J	0.14	2.0	ug/L
				Chromium	J	2.8	5.0	ug/L
				Cobalt	J	0.26	5.0	ug/L
				Copper	J	3.2	5.0	ug/L
				Lead	J	0.94	3.0	ug/L
				Nickel	J	1.4	10.0	ug/L
				Selenium	J	0.36	5.0	ug/L
				Vanadium	J	2.0	10.0	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	0.98	10	ug/L
LL8SD-090-5378-SD	A0C020458010	6020	SO	Cadmium	J	0.089	0.28	mg/kg
				Silver	J	0.018	0.70	mg/kg
				Sodium	J B	44.4	139	mg/kg
				Thallium	J	0.16	0.28	mg/kg
		7471A		Mercury	J B	0.028	0.14	mg/kg
LL8SD-091-5379-SD	A0C020458011	6020		Cadmium	J	0.024	0.28	mg/kg
				Calcium	J G	1150	2760	mg/kg
				Potassium	J G	511	1380	mg/kg
				Selenium	J	0.65	0.69	mg/kg
				Silver	J	0.025	0.69	mg/kg
				Sodium	J B	40.6	138	mg/kg
				Thallium	J	0.097	0.28	mg/kg
		7471A		Mercury	J B	0.020	0.14	mg/kg
		8260B		2-Butanone (MEK)	J B	5.2	28	ug/kg
				Acetone	J B	21	28	ug/kg
				Methylene chloride	J B	6.5	6.9	ug/kg
				Toluene	J	0.59	6.9	ug/kg
LL8SD-091-6113-FD	A0C020458012	6020		Cadmium	J	0.15	0.29	mg/kg

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL8SD-091-6113-FD	A0C020458012	6020	SO	Silver	J	0.025	0.71	mg/kg
				Sodium	J B	33.6	143	mg/kg
		7471A		Mercury	J B	0.045	0.14	mg/kg
		8081A		4,4'-DDE	J	1.4	4.9	ug/kg
		8260B		2-Butanone (MEK)	J B	5.3	29	ug/kg
				Acetone	J B	18	29	ug/kg
				Methylene chloride	J B	6.9	7.1	ug/kg
				Toluene	J	0.41	7.1	ug/kg
		8270C		Fluoranthene	J	13	71	ug/kg
				Pyrene	J	10	71	ug/kg
LL8SD-092-5377-SD	A0C020458009	6020		Cadmium	J	0.14	0.31	mg/kg
				Silver	J	0.054	0.78	mg/kg
				Sodium	J B	44.7	156	mg/kg
				Thallium	J	0.13	0.31	mg/kg
		7471A		Mercury	J B	0.046	0.16	mg/kg
		8270C		Benz[a]anthracene	J	50	78	ug/kg
				Fluoranthene	J	60	78	ug/kg
				Phenanthrene	J	43	78	ug/kg
				Pyrene	J	49	78	ug/kg
LL8SW-090-5384-SW	A0C020458015	6020	AQ	Antimony	J B	0.44	5.0	ug/L
				Arsenic	J	4.8	5.0	ug/L
				Beryllium	J	0.83	1.0	ug/L
				Cadmium	J	1.1	2.0	ug/L
				Selenium	J	1.7	5.0	ug/L
				Silver	J	0.065	5.0	ug/L
LL8SW-090-6115-FD	A0C020458014			Arsenic	J	1.7	5.0	ug/L
				Beryllium	J	0.20	1.0	ug/L
				Cadmium	J	0.29	2.0	ug/L
				Cobalt	J	2.9	5.0	ug/L
				Nickel	J	5.9	10.0	ug/L
				Selenium	J	0.63	5.0	ug/L
		8260B		Acetone	J	3.6	10	ug/L
				Toluene	J	0.41	1.0	ug/L
		8270C		3-methylphenol/4-methylphenol	J	2.4	10	ug/L
LL8SW-091-5385-SW	A0C020458016	6020		Arsenic	J	1.4	5.0	ug/L
				Beryllium	J	0.085	1.0	ug/L

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LL8SW-091-5385-SW	A0C020458016	6020	AQ	Cadmium	J	0.056	2.0	ug/L
				Chromium	J	2.7	5.0	ug/L
				Cobalt	J	0.99	5.0	ug/L
				Copper	J	4.0	5.0	ug/L
				Lead	J	1.8	3.0	ug/L
				Nickel	J	2.8	10.0	ug/L
				Selenium	J	0.44	5.0	ug/L
				Vanadium	J	4.1	10.0	ug/L
				Zinc	J	39.7	40.0	ug/L
LL8SW-092-5383-SW	A0C020458013			Antimony	J B	0.26	5.0	ug/L
				Arsenic	J	0.86	5.0	ug/L
				Beryllium	J	0.051	1.0	ug/L
				Cadmium	J	0.16	2.0	ug/L
				Chromium	J	1.5	5.0	ug/L
				Cobalt	J	0.67	5.0	ug/L
				Copper	J	4.3	5.0	ug/L
				Lead	J	1.4	3.0	ug/L
				Nickel	J	2.4	10.0	ug/L
				Selenium	J	0.30	5.0	ug/L
				Silver	J	0.033	5.0	ug/L
				Vanadium	J	1.6	10.0	ug/L
		8260B		Acetone	J	1.3	10	ug/L
PBA08-QC-6013-TB	A0C020458017			Acetone	J	2.5	10	ug/L
PBA08-QC-6015-TB	A0C020458019			Acetone	J	4.7	10	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0C020458
Lab ID: TALCAN
Analysis Method : 6020
Analysis Date : 03/05/2010
Preparation Type : 3005A
Preparation Date : 03/03/2010
Method Blank Lab Sample ID : A0C030000012B
Preparation Batch : 0062012

Antimony	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.22**	**5.0**	**ug/L**	**J**	

Antimony was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL8SW-090-5384-SW	A0C020458015	1	0.44	J B	ug/L
LL8SW-092-5383-SW	A0C020458013	1	0.26	J B	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0C020458 **Lab ID:** TALCAN

Analysis Method : 6020 **Analysis Date :** 03/05/2010

Preparation Type : 3050B **Preparation Date :** 03/03/2010

Method Blank Lab Sample ID : A0C030000015B **Preparation Batch :** 0062015

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**10.6**	**10.0**	**mg/kg**		

Aluminum contamination found in the method blank did not qualify any samples.

Sodium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**28.7**	**100**	**mg/kg**	**J**	

Sodium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL6SB-068-5215-SO	A0C020458001	1	30.1	J B	mg/kg
LL6SB-068-5216-SO	A0C020458002	1	39.2	J B	mg/kg
LL6SB-070-5223-SO	A0C020458003	1	44.1	J B	mg/kg
LL6SB-070-5224-SO	A0C020458004	1	66.1	J B	mg/kg
LL6SB-071-5227-SO	A0C020458005	1	56.1	J B	mg/kg
LL6SB-071-5228-SO	A0C020458006	1	76.2	J B	mg/kg
LL6SB-071-6068-FD	A0C020458007	1	57.3	J B	mg/kg
LL6SB-071-6069-FD	A0C020458008	1	79.3	J B	mg/kg
LL8SD-090-5378-SD	A0C020458010	1	44.4	J B	mg/kg
LL8SD-091-5379-SD	A0C020458011	1	40.6	J B	mg/kg
LL8SD-091-6113-FD	A0C020458012	1	33.6	J B	mg/kg
LL8SD-092-5377-SD	A0C020458009	1	44.7	J B	mg/kg

Mercury	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.018**	**0.10**	**mg/kg**	**J**	

Mercury was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL6SB-068-5215-SO	A0C020458001	1	0.019	J B	mg/kg
LL6SB-068-5216-SO	A0C020458002	1	0.039	J B	mg/kg
LL6SB-070-5223-SO	A0C020458003	1	0.030	J B	mg/kg
LL6SB-070-5224-SO	A0C020458004	1	0.038	J B	mg/kg
LL6SB-071-5227-SO	A0C020458005	1	0.022	J B	mg/kg
LL6SB-071-5228-SO	A0C020458006	1	0.026	J B	mg/kg
LL6SB-071-6069-FD	A0C020458008	1	0.018	J B	mg/kg
LL8SD-090-5378-SD	A0C020458010	1	0.028	J B	mg/kg
LL8SD-091-5379-SD	A0C020458011	1	0.020	J B	mg/kg
LL8SD-091-6113-FD	A0C020458012	1	0.045	J B	mg/kg
LL8SD-092-5377-SD	A0C020458009	1	0.046	J B	mg/kg

Method Blank Outlier Report

Lab Reporting Batch : A0C020458
Lab ID: TALCAN
Analysis Method : 8270C
Analysis Date : 03/10/2010
Preparation Type : 3520C
Preparation Date : 03/03/2010
Method Blank Lab Sample ID : A0C030000027B
Preparation Batch : 0062027

bis(2-Ethylhexyl) phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**7.7**	**10**	**ug/L**	**J**	**Common Contaminant**

bis(2-Ethylhexyl) phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL6SW-081-5242-SW	A0C020458018	1	0.98	J B	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0C020458 **Lab ID:** TALCAN

Analysis Method : 8260B **Analysis Date :** 03/02/2010

Preparation Type : 5030B **Preparation Date :** 03/02/2010

Method Blank Lab Sample ID : A0C030000288B **Preparation Batch :** 0062288

2-Butanone (MEK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.6**	**20**	**ug/kg**	**J**	**Common Contaminant**

2-Butanone (MEK) was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL8SD-091-5379-SD	A0C020458011	1	5.2	J B	ug/kg
LL8SD-091-6113-FD	A0C020458012	1	5.3	J B	ug/kg

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.7**	**20**	**ug/kg**	**J**	

2-Hexanone contamination found in the method blank did not qualify any samples.

4-methyl-2-pentanone (MIBK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.62**	**20**	**ug/kg**	**J**	

4-methyl-2-pentanone (MIBK) contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**11**	**20**	**ug/kg**	**J**	**Common Contaminant**

Acetone was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL8SD-091-5379-SD	A0C020458011	1	21	J B	ug/kg
LL8SD-091-6113-FD	A0C020458012	1	18	J B	ug/kg

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.1**	**5.0**	**ug/kg**	**J**	**Common Contaminant**

Methylene chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL8SD-091-5379-SD	A0C020458011	1	6.5	J B	ug/kg
LL8SD-091-6113-FD	A0C020458012	1	6.9	J B	ug/kg

Method Blank Outlier Report

Lab Reporting Batch : A0C020458
Lab ID: TALCAN
Analysis Method : 8260B
Analysis Date : 03/04/2010
Preparation Type : 5030B
Preparation Date : 03/04/2010
Method Blank Lab Sample ID : A0C050000134B
Preparation Batch : 0064134

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.40	1.0	ug/L	J	Common Contaminant

Methylene chloride contamination found in the method blank did not qualify any samples.

Surrogate Recovery Outlier Report

Lab Report Batch: A0C020458 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
LL6SW-081-5242-SW	A0C020458018	8260B	1	AQ	Dibromofluoromethane	117	85.0	115.0	10.0	All Target
LL8SD-091-5379-SD	A0C020458011	8260B	1	SO	4-Bromofluorobenzene	80	85.0	120.0	10.0	All Target
LL8SD-091-6113-FD	A0C020458012	8260B	1	SO	4-Bromofluorobenzene	79	85.0	120.0	10.0	All Target
LL8SW-090-6115-FD	A0C020458014	8082	1	AQ	Decachlorobiphenyl	35	40.0	135.0	10.0	All Target

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: **Lab ID:**

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifiers	RPD Dup* (%)	RPD Criteria (%)	Result Units

*Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0C050520 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
LL6SB-069-5222-SO	A0C050520002	353.2 Modified	SO	1.5	2.0	6.0
		8081A	SO	1.5	2.0	
LL6SB-069-5222-SOMS	A0C050520002S	8081A	SO	1.5	2.0	
LL6SB-069-5222-SOMSD	A0C050520002D	8081A	SO	1.5	2.0	
LL6SB-069-5222-SO	A0C050520002	8082	SO	1.5	2.0	
LL6SB-069-5222-SOMS	A0C050520002S	8082	SO	1.5	2.0	
LL6SB-069-5222-SOMSD	A0C050520002D	8082	SO	1.5	2.0	
LL6SB-069-5222-SO	A0C050520002	8260B	SO	1.5	2.0	
LL6SB-069-5222-SOMS	A0C050520002S	8260B	SO	1.5	2.0	
LL6SB-069-5222-SOMSD	A0C050520002D	8260B	SO	1.5	2.0	
LL6SB-069-5222-SO	A0C050520002	8270C	SO	1.5	2.0	
ATASB-006-5130-SO	A0C050520001	8330B	SO	1.5	2.0	
LL6SB-069-5222-SO	A0C050520002	8330B	SO	1.5	2.0	
		8330M	SO	1.5	2.0	
LL6SB-069-5222-SOMS	A0C050520002S	8330M	SO	1.5	2.0	
LL6SB-069-5222-SOMSD	A0C050520002D	8330M	SO	1.5	2.0	

Temperature Outlier Report

Lab Report Batch: **Lab ID:**

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0067386 **Analysis Method :** 8260B **Analysis Date :** 03/06/2010

Preparation Batch : 0067386 **Preparation Type :** 5030B **Preparation Date :** 03/06/2010

Lab Reporting Batch : A0C050520 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LL6SB-069-5222-SOMS	A0C050520002S	SO	1,2-Dibromoethane (Ethylene Dibro	63		0.00	70.00	125.00	30.00
			Benzene	74		0.00	75.00	125.00	30.00
			Chlorobenzene	57		0.00	75.00	125.00	30.00
			cis-1,3-Dichloropropene	56		0.00	70.00	125.00	40.00
			Ethylbenzene	60		0.00	75.00	125.00	30.00
			o-Xylene	62		0.00	75.00	125.00	30.00
			Styrene	51		0.00	75.00	125.00	30.00
			Toluene	63		0.00	70.00	125.00	30.00
			trans-1,3-Dichloropropene	58		0.00	65.00	125.00	31.00
			Trichloroethene	62		0.00	75.00	125.00	30.00
LL6SB-069-5222-SOMS	A0C050520002D		Chlorobenzene	73		0.00	75.00	125.00	30.00
			Styrene	71	32	0.00	75.00	125.00	30.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
LL6SB-069-5222-SO	A0C050520002

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 0067386 **Analysis Method :** 8260B **Analysis Date :** 03/05/2010

Preparation Batch : 0067386 **Preparation Type :** 5030B **Preparation Date :** 03/05/2010

Lab Reporting Batch : A0C050520 **Lab ID:** TALCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
A0C080000386L	SO	1,1,2,2-Tetrachloroethane	72	39	10.00	55.00	130.00	30.00

Associated Samples

Client Sample ID	**Lab Sample ID**
LL6SB-069-5222-SO	A0C050520002

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C050520 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
ATASB-006-5130-SO	A0C050520001	7471A	SO	Mercury	U	0.13	0.12658228	mg/kg
		8330B		1,3,5-Trinitrobenzene	U	0.24	0.01202532	mg/kg
				1,3-Dinitrobenzene	U	0.24	0.30063291	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.24	0.30063291	mg/kg
				2,4-Dinitrotoluene	U	0.24	0.30063291	mg/kg
				2,6-Dinitrotoluene	U	0.24	0.30063291	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.24	0.30063291	mg/kg
				2-Nitrotoluene	U	0.24	0.30063291	mg/kg
				3-Nitrotoluene	U	0.24	0.30063291	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.24	0.30063291	mg/kg
				4-Nitrotoluene	U	0.48	0.60126582	mg/kg
				Nitrobenzene	U	0.24	0.30063291	mg/kg
LL6SB-069-5222-SO	A0C050520002	353.2 Modified	SO	Nitrocellulose	U	6.1	6.09756098	mg/kg
		6020		Antimony	U	0.61	0.6097561	mg/kg
		8081A		Methoxychlor	U	31	30.4878049	ug/kg
				Toxaphene	U	410	408.536585	ug/kg
		8260B		1,1,1-Trichloroethane	U	6.1	6.09756098	ug/kg
				1,1,2,2-Tetrachloroethane	U	6.1	6.09756098	ug/kg
				1,1,2-Trichloroethane	U	6.1	6.09756098	ug/kg
				1,1-Dichloroethane	U	6.1	6.09756098	ug/kg
				1,1-Dichloroethene	U	6.1	6.09756098	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	6.1	6.09756098	ug/kg
				1,2-Dichloroethane	U	6.1	6.09756098	ug/kg
				1,2-Dichloroethene (total)	U	6.1	6.09756098	ug/kg
				1,2-Dichloropropane	U	6.1	6.09756098	ug/kg
				Benzene	U	6.1	6.09756098	ug/kg
				Bromochloromethane	U	6.1	6.09756098	ug/kg
				Bromodichloromethane	U	6.1	6.09756098	ug/kg
				Bromoform	U	6.1	6.09756098	ug/kg
				Bromomethane (Methyl bromide)	U	6.1	6.09756098	ug/kg
				Carbon disulfide	U	6.1	6.09756098	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C050520 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5222-SO	A0C050520002	8260B	SO	Carbon tetrachloride	U	6.1	6.09756098	ug/kg
				Chlorobenzene	U	6.1	6.09756098	ug/kg
				Chlorodibromomethane	U	6.1	6.09756098	ug/kg
				Chloroethane	U	6.1	6.09756098	ug/kg
				Chloroform	U	6.1	6.09756098	ug/kg
				Chloromethane	U	6.1	6.09756098	ug/kg
				cis-1,3-Dichloropropene	U	6.1	6.09756098	ug/kg
				Ethylbenzene	U	6.1	6.09756098	ug/kg
				Styrene	U	6.1	6.09756098	ug/kg
				Tetrachloroethene	U	6.1	6.09756098	ug/kg
				Toluene	U	6.1	6.09756098	ug/kg
				trans-1,3-Dichloropropene	U	6.1	6.09756098	ug/kg
				Trichloroethene	U	6.1	6.09756098	ug/kg
				Vinyl chloride	U	6.1	6.09756098	ug/kg
		8270C		2,4-Dinitrophenol	U	980	975.609756	ug/kg
				2-Nitroaniline	U	980	975.609756	ug/kg
				3-Nitroaniline	U	980	975.609756	ug/kg
				4,6-Dinitro-2-methylphenol	U	980	975.609756	ug/kg
				4-Nitroaniline	U	980	975.609756	ug/kg
				4-Nitrophenol	U	980	975.609756	ug/kg
				Acenaphthene	U	61	60.9756098	ug/kg
				Acenaphthylene	U	61	60.9756098	ug/kg
				Anthracene	U	61	60.9756098	ug/kg
				Benz[a]anthracene	U	61	60.9756098	ug/kg
				Benzo[a]pyrene	U	61	60.9756098	ug/kg
				Benzo[b]fluoranthene	U	61	60.9756098	ug/kg
				Benzo[g,h,i]perylene	U	61	60.9756098	ug/kg
				Benzo[k]fluoranthene	U	61	60.9756098	ug/kg
				Benzoic acid	U	980	975.609756	ug/kg
				Carbazole	U	61	60.9756098	ug/kg
				Chrysene	U	61	60.9756098	ug/kg
				dibenz[a,h]anthracene	U	61	60.9756098	ug/kg
				Fluoranthene	U	61	60.9756098	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0C050520 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LL6SB-069-5222-SO	A0C050520002	8270C	SO	Fluorene	U	61	60.9756098	ug/kg
				Indeno[1,2,3-cd]pyrene	U	61	60.9756098	ug/kg
				Naphthalene	U	61	60.9756098	ug/kg
				Phenanthrene	U	61	60.9756098	ug/kg
				Pyrene	U	61	402.439024	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0C050520 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
ATASB-006-5130-SO	A0C050520001	6020	SO	Antimony	J	0.089	0.63	mg/kg
				Cadmium	J	0.086	0.25	mg/kg
				Selenium	J	0.58	0.63	mg/kg
				Silver	J	0.018	0.63	mg/kg
				Sodium	J	42.7	126	mg/kg
				Thallium	J	0.13	0.25	mg/kg
LL6SB-069-5222-SO	A0C050520002			Cadmium	J	0.042	0.24	mg/kg
				Silver	J	0.018	0.61	mg/kg
				Sodium	J	45.7	122	mg/kg
				Thallium	J	0.11	0.24	mg/kg
		8260B		Acetone	J	11	24	ug/kg

Method Blank Outlier Report

Lab Reporting Batch : A0C050520
Lab ID: TALCAN
Analysis Method : 8260B
Analysis Date : 03/05/2010
Preparation Type : 5030B
Preparation Date : 03/05/2010
Method Blank Lab Sample ID : A0C080000386B
Preparation Batch : 0067386

2-Butanone (MEK)	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.2**	**20**	**ug/kg**	**J**	**Common Contaminant**

2-Butanone (MEK) contamination found in the method blank did not qualify any samples.

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.7**	**20**	**ug/kg**	**J**	

2-Hexanone contamination found in the method blank did not qualify any samples.

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.4**	**5.0**	**ug/kg**	**J**	**Common Contaminant**

Methylene chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
LL6SB-069-5222-SO	A0C050520002	1	6.8	B	ug/kg

Method Blank Outlier Report

Lab Reporting Batch : A0C050520
Lab ID: TALCAN
Analysis Method : 353.2 Modified
Analysis Date : 03/11/2010
Preparation Type : Gen Prep
Preparation Date : 03/09/2010
Method Blank Lab Sample ID : G0C090000158B
Preparation Batch : 0068158

Nitrocellulose	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.82**	**5.0**	**mg/kg**	**B**	

Nitrocellulose contamination found in the method blank did not qualify any samples.

Surrogate Recovery Outlier Report

Lab Report Batch: A0C050520 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
LL6SB-069-5222-SO	A0C050520002	8260B	1	SO	4-Bromofluorobenzene	74	85.0	120.0	10.0	All Target
LL6SB-069-5222-SOMS	A0C050520002S	8260B	1	SO	4-Bromofluorobenzene	80	85.0	120.0	10.0	All Target

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
CPCSW-045-5028-SW	A0D020496007	353.2 Modified	AQ	1.7	2.0	6.0
CPCSW-045-5028-SWMS	A0D020496007S	353.2 Modified	AQ	1.7	2.0	6.0
CPCSW-045-5028-SWMS	A0D020496007D	353.2 Modified	AQ	1.7	2.0	6.0
CPCSW-047-6045-FD	A0D020496009	353.2 Modified	AQ	0.2	2.0	6.0
CPCSW-045-5028-SW	A0D020496007	8081A	AQ	1.7	2.0	
CPCSW-047-6045-FD	A0D020496009	8081A	AQ	0.2	2.0	
CPCSW-045-5028-SW	A0D020496007	8082	AQ	1.7	2.0	
CPCSW-047-6045-FD	A0D020496009	8082	AQ	0.2	2.0	
CPCSW-045-5028-SW	A0D020496007	8260B	AQ	1.7	2.0	
CPCSW-047-6045-FD	A0D020496009	8260B	AQ	0.2	2.0	
PBA08-QC-6023-TB	A0D020496011	8260B	AQ	1.7	2.0	
CPCSW-045-5028-SW	A0D020496007	8270C	AQ	1.7	2.0	
CPCSW-045-5028-SWMS	A0D020496007S	8270C	AQ	1.7	2.0	
CPCSW-045-5028-SWMS	A0D020496007D	8270C	AQ	1.7	2.0	
CPCSW-047-6045-FD	A0D020496009	8270C	AQ	0.2	2.0	
CPCSW-045-5028-SW	A0D020496007	8270C PAH	AQ	1.7	2.0	
CPCSW-045-5028-SWMS	A0D020496007S	8270C PAH	AQ	1.7	2.0	
CPCSW-045-5028-SWMS	A0D020496007D	8270C PAH	AQ	1.7	2.0	
CPCSW-047-6045-FD	A0D020496009	8270C PAH	AQ	0.2	2.0	
CPCSW-045-5028-SW	A0D020496007	8330B	AQ	1.7	2.0	
CPCSW-047-6045-FD	A0D020496009	8330B	AQ	0.2	2.0	
CPCSW-045-5028-SW	A0D020496007	8330M	AQ	1.7	2.0	
CPCSW-045-5028-SWMS	A0D020496007S	8330M	AQ	1.7	2.0	
CPCSW-045-5028-SWMS	A0D020496007D	8330M	AQ	1.7	2.0	
CPCSW-047-6045-FD	A0D020496009	8330M	AQ	0.2	2.0	

Temperature Outlier Report

Lab Report Batch: **Lab ID:**

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	

QC Outlier Report: Holding Times

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

					Actual Holding Time			Criteria				Reported Dates (and Times)		
Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Prep Method	Coll To Prep	Prep To Ana	Coll To Ana	Coll To Prep	Prep To Ana	Coll To Ana	Unit of Meas	Collection Date	Preparation Date	Analysis Date
CPCSD-045-5783-SD	A0D020496002	8082	SO	3540C	15.0	3.0		14	40		Days	04/01/2010	04/16/2010	04/19/2010
CPCSD-045-5783-SD	A0D020496002S	8082	SO	3540C	15.0	3.0		14	40		Days	04/01/2010	04/16/2010	04/19/2010
CPCSD-045-5783-SD	A0D020496002D	8082	SO	3540C	15.0	3.0		14	40		Days	04/01/2010	04/16/2010	04/19/2010
CPCSW-045-5028-S	A0D020496007	8330M	AQ	Gen Prep	19.0	1.0		14	40		Days	04/01/2010	04/20/2010	04/21/2010
CPCSW-045-5028-S	A0D020496007S	8330M	AQ	Gen Prep	19.0	1.0		14	40		Days	04/01/2010	04/20/2010	04/21/2010
CPCSW-045-5028-S	A0D020496007D	8330M	AQ	Gen Prep	19.0	1.0		14	40		Days	04/01/2010	04/20/2010	04/21/2010
CPCSW-047-5030-S	A0D020496008	8330M	AQ	Gen Prep	19.0	1.0		14	40		Days	04/01/2010	04/20/2010	04/21/2010
CPCSW-047-6045-F	A0D020496009	8330M	AQ	Gen Prep	19.0	1.0		14	40		Days	04/01/2010	04/20/2010	04/21/2010
CPCSW-048-5031-S	A0D020496010	8330M	AQ	Gen Prep	19.0	1.0		14	40		Days	04/01/2010	04/20/2010	04/21/2010
LL6SW-084-5794-SW	A0D020496012	8330M	AQ	Gen Prep	19.0	1.0		14	40		Days	04/01/2010	04/20/2010	04/21/2010
LNWSS-077M-5287-	A0D020496023	8081A	SO	3540C	28.0	6.0		14	40		Days	04/01/2010	04/29/2010	05/05/2010
		8270C	SO	3540C	18.0	2.0		14	40		Days	04/01/2010	04/19/2010	04/21/2010
LNWSS-077M-5287-	A0D020496023S	8081A	SO	3540C	28.0	6.0		14	40		Days	04/01/2010	04/29/2010	05/05/2010
LNWSS-077M-5287-	A0D020496023D	8081A	SO	3540C	28.0	6.0		14	40		Days	04/01/2010	04/29/2010	05/05/2010
PBA08-QC-6002-ER	A0D020496014	8330M	AQ	Gen Prep	19.0	1.0		14	40		Days	04/01/2010	04/20/2010	04/21/2010

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0095035 **Analysis Method :** 8270C **Analysis Date :** 04/20/2010

Preparation Batch : 0095035 **Preparation Type :** 3540C **Preparation Date :** 04/05/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
CPCSD-045-5023-SDMS	A0D020496001S	SO	Hexachloroethane	22		0.00	35.00	110.00	29.00
CPCSD-045-5023-SDMS	A0D020496001D		3,3'-Dichlorobenzidine	8.1		0.00	10.00	130.00	56.00
			Benzoic acid		62	0.00	0.00	110.00	20.00
			Hexachloroethane	19		0.00	35.00	110.00	29.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
CPCSD-045-5023-SD	A0D020496001

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0095037 **Analysis Method :** 8270C **Analysis Date :** 04/20/2010

Preparation Batch : 0095037 **Preparation Type :** 3520C **Preparation Date :** 04/05/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
CPCSW-045-5028-SWM	A0D020496007S	AQ	3,3'-Dichlorobenzidine	14		0.00	20.00	110.00	56.00
CPCSW-045-5028-SWM	A0D020496007D		3,3'-Dichlorobenzidine	8.6		0.00	20.00	110.00	56.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
CPCSW-045-5028-SW	A0D020496007

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0097020 **Analysis Method :** 6020 **Analysis Date :** 04/14/2010

Preparation Batch : 0097020 **Preparation Type :** 3050B **Preparation Date :** 04/07/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LNWSS-072M-5282-SO	A0D020496018S	SO	Antimony	31		30.00	75.00	125.00	20.00
LNWSS-072M-5282-SO	A0D020496018D		Antimony	29		30.00	75.00	125.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
CPCSD-045-5023-SD	A0D020496001
CPCSD-045-5783-SD	A0D020496002
CPCSD-047-5025-SD	A0D020496003
CPCSD-047-5785-SD	A0D020496004
CPCSD-048-5026-SD	A0D020496005
CPCSD-048-5786-SD	A0D020496006
LL6SD-084-5795-SD	A0D020496013
LNWSS-070M-5280-SO	A0D020496015
LNWSS-071M-5281-SO	A0D020496016
LNWSS-072M-5282-SO	A0D020496018
LNWSS-072M-6103-FD	A0D020496017
LNWSS-073M-5283-SO	A0D020496019
LNWSS-074M-5284-SO	A0D020496020
LNWSS-075M-5285-SO	A0D020496021
LNWSS-076M-5286-SO	A0D020496022
LNWSS-077M-5287-SO	A0D020496023
LNWSS-078M-5288-SO	A0D020496025
LNWSS-079M-5289-SO	A0D020496026

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0097044 **Analysis Method :** 8270C **Analysis Date :** 04/14/2010

Preparation Batch : 0097044 **Preparation Type :** 3540C **Preparation Date :** 04/07/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LNWSS-072M-5282-SO	A0D020496018S	SO	3,3'-Dichlorobenzidine	0.0		0.00	10.00	130.00	56.00
			3-Nitroaniline	19		0.00	25.00	110.00	45.00
			4-Nitroaniline	30		0.00	35.00	115.00	30.00
LNWSS-072M-5282-SO	A0D020496018D		3,3'-Dichlorobenzidine	0.0		0.00	10.00	130.00	56.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
LNWSS-072M-5282-SO	A0D020496018

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0102179 **Analysis Method :** 8260B **Analysis Date :** 04/12/2010

Preparation Batch : 0102179 **Preparation Type :** 5030B **Preparation Date :** 04/12/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
PBA08-QC-6002-ERMS	A0D020496014S	AQ	Bromoform	59		0.00	70.00	130.00	30.00
PBA08-QC-6002-ERMSD	A0D020496014D		Bromoform	61		0.00	70.00	130.00	30.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
PBA08-QC-6002-ER	A0D020496014

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0110205 **Analysis Method :** 353.2 Modified **Analysis Date :** 04/21/2010

Preparation Batch : 0110205 **Preparation Type :** 3535 **Preparation Date :** 04/20/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
CPCSW-045-5028-SWM	A0D020496007D	AQ	Nitrocellulose		48		26.00	144.00	45.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
CPCSW-045-5028-SW	A0D020496007
CPCSW-047-5030-SW	A0D020496008
CPCSW-047-6045-FD	A0D020496009
CPCSW-048-5031-SW	A0D020496010
LL6SW-084-5794-SW	A0D020496012
PBA08-QC-6002-ER	A0D020496014

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0118073 **Analysis Method :** 8081A **Analysis Date :** 05/05/2010

Preparation Batch : 0118073 **Preparation Type :** 3540C **Preparation Date :** 04/29/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LNWSS-077M-5287-SO	A0D020496023S	SO	alpha-Chordane	58		0.00	65.00	120.00	65.00
LNWSS-077M-5287-SO	A0D020496023D		alpha-Chordane	52		0.00	65.00	120.00	65.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
LNWSS-077M-5287-SO	A0D020496023

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0095035 **Analysis Method :** 8270C **Analysis Date :** 04/20/2010

Preparation Batch : 0095035 **Preparation Type :** 3540C **Preparation Date :** 04/05/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
CPCSD-045-5023-SDMS	A0D020496001S	SO	Hexachloroethane	22		0.00	35.00	110.00	29.00
CPCSD-045-5023-SDMS	A0D020496001D		3,3'-Dichlorobenzidine	8.1		0.00	10.00	130.00	56.00
			Benzoic acid		62	0.00	0.00	110.00	20.00
			Hexachloroethane	19		0.00	35.00	110.00	29.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
CPCSD-045-5023-SD	A0D020496001

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0095037 **Analysis Method :** 8270C **Analysis Date :** 04/20/2010

Preparation Batch : 0095037 **Preparation Type :** 3520C **Preparation Date :** 04/05/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
CPCSW-045-5028-SWM	A0D020496007S	AQ	3,3'-Dichlorobenzidine	14		0.00	20.00	110.00	56.00
CPCSW-045-5028-SWM	A0D020496007D		3,3'-Dichlorobenzidine	8.6		0.00	20.00	110.00	56.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
CPCSW-045-5028-SW	A0D020496007

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0097020 **Analysis Method :** 6020 **Analysis Date :** 04/14/2010

Preparation Batch : 0097020 **Preparation Type :** 3050B **Preparation Date :** 04/07/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LNWSS-072M-5282-SO	A0D020496018S	SO	Antimony	31		30.00	75.00	125.00	20.00
LNWSS-072M-5282-SO	A0D020496018D		Antimony	29		30.00	75.00	125.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
CPCSD-045-5023-SD	A0D020496001
CPCSD-045-5783-SD	A0D020496002
CPCSD-047-5025-SD	A0D020496003
CPCSD-047-5785-SD	A0D020496004
CPCSD-048-5026-SD	A0D020496005
CPCSD-048-5786-SD	A0D020496006
LL6SD-084-5795-SD	A0D020496013
LNWSS-070M-5280-SO	A0D020496015
LNWSS-071M-5281-SO	A0D020496016
LNWSS-072M-5282-SO	A0D020496018
LNWSS-072M-6103-FD	A0D020496017
LNWSS-073M-5283-SO	A0D020496019
LNWSS-074M-5284-SO	A0D020496020
LNWSS-075M-5285-SO	A0D020496021
LNWSS-076M-5286-SO	A0D020496022
LNWSS-077M-5287-SO	A0D020496023
LNWSS-078M-5288-SO	A0D020496025
LNWSS-079M-5289-SO	A0D020496026

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0097044 **Analysis Method :** 8270C **Analysis Date :** 04/14/2010

Preparation Batch : 0097044 **Preparation Type :** 3540C **Preparation Date :** 04/07/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LNWSS-072M-5282-SO	A0D020496018S	SO	3,3'-Dichlorobenzidine	0.0		0.00	10.00	130.00	56.00
			3-Nitroaniline	19		0.00	25.00	110.00	45.00
			4-Nitroaniline	30		0.00	35.00	115.00	30.00
LNWSS-072M-5282-SO	A0D020496018D		3,3'-Dichlorobenzidine	0.0		0.00	10.00	130.00	56.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
LNWSS-072M-5282-SO	A0D020496018

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0102179 **Analysis Method :** 8260B **Analysis Date :** 04/12/2010

Preparation Batch : 0102179 **Preparation Type :** 5030B **Preparation Date :** 04/12/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
PBA08-QC-6002-ERMS	A0D020496014S	AQ	Bromoform	59		0.00	70.00	130.00	30.00
PBA08-QC-6002-ERMSD	A0D020496014D		Bromoform	61		0.00	70.00	130.00	30.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
PBA08-QC-6002-ER	A0D020496014

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0110205 **Analysis Method :** 353.2 Modified **Analysis Date :** 04/21/2010

Preparation Batch : 0110205 **Preparation Type :** 3535 **Preparation Date :** 04/20/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
CPCSW-045-5028-SWM	A0D020496007D	AQ	Nitrocellulose		48		26.00	144.00	45.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
CPCSW-045-5028-SW	A0D020496007
CPCSW-047-5030-SW	A0D020496008
CPCSW-047-6045-FD	A0D020496009
CPCSW-048-5031-SW	A0D020496010
LL6SW-084-5794-SW	A0D020496012
PBA08-QC-6002-ER	A0D020496014

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 0118073 **Analysis Method :** 8081A **Analysis Date :** 05/05/2010

Preparation Batch : 0118073 **Preparation Type :** 3540C **Preparation Date :** 04/29/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
LNWSS-077M-5287-SO	A0D020496023S	SO	alpha-Chordane	58		0.00	65.00	120.00	65.00
LNWSS-077M-5287-SO	A0D020496023D		alpha-Chordane	52		0.00	65.00	120.00	65.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
LNWSS-077M-5287-SO	A0D020496023

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 0096017 **Analysis Method :** 6020 **Analysis Date :** 04/14/2010

Preparation Batch : 0096017 **Preparation Type :** 3005A **Preparation Date :** 04/06/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
A0D060000017C	AQ	Zinc	132		50.00	80.00	120.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
CPCSW-045-5028-SW	A0D020496007
CPCSW-047-5030-SW	A0D020496008
CPCSW-047-6045-FD	A0D020496009
CPCSW-048-5031-SW	A0D020496010
LL6SW-084-5794-SW	A0D020496012
PBA08-QC-6002-ER	A0D020496014

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 0097044 **Analysis Method :** 8270C **Analysis Date :** 04/09/2010

Preparation Batch : 0097044 **Preparation Type :** 3540C **Preparation Date :** 04/07/2010

Lab Reporting Batch : A0D020496 **Lab ID:** TALCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
A0D070000044C	SO	2,4,6-Trichlorophenol	37		10.00	45.00	110.00	29.00

Associated Samples

Client Sample ID	Lab Sample ID
LNWSS-070M-5280-SO	A0D020496015
LNWSS-071M-5281-SO	A0D020496016
LNWSS-072M-5282-SO	A0D020496018
LNWSS-072M-6103-FD	A0D020496017
LNWSS-073M-5283-SO	A0D020496019
LNWSS-074M-5284-SO	A0D020496020
LNWSS-075M-5285-SO	A0D020496021
LNWSS-076M-5286-SO	A0D020496022
LNWSS-078M-5288-SO	A0D020496025

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-045-5023-SD	A0D020496001	8081A	SO	Aldrin	U	120	117.647059	ug/kg
				delta-BHC	U	120	117.647059	ug/kg
		8260B		2-Hexanone	U	120	117.647059	ug/kg
				4-methyl-2-pentanone (MIBK)	U	120	117.647059	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.26	0.06058824	mg/kg
				1,3-Dinitrobenzene	U	0.26	1.51470588	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.26	1.51470588	mg/kg
				2,4-Dinitrotoluene	U	0.26	1.51470588	mg/kg
				2,6-Dinitrotoluene	U	0.26	1.51470588	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.26	1.51470588	mg/kg
				2-Nitrotoluene	U	0.26	1.51470588	mg/kg
				3-Nitrotoluene	U	0.26	1.51470588	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.26	1.51470588	mg/kg
				4-Nitrotoluene	U	0.52	3.02941176	mg/kg
				Nitrobenzene	U	0.26	1.51470588	mg/kg
		8330M		Nitroguanidine	U	0.26	1.51470588	mg/kg
CPCSD-045-5783-SD	A0D020496002	8081A	SO	Aldrin	U	29	28.9855072	ug/kg
				alpha-Chordane	U	22	21.7391304	ug/kg
				delta-BHC	U	29	28.9855072	ug/kg
				Endosulfan sulfate	U	22	21.7391304	ug/kg
				Endrin aldehyde	U	22	21.7391304	ug/kg
		8082		Aroclor 1016	U	48	2.46376812	ug/kg
				Aroclor 1016	U	48	2.46376812	ug/kg
				Aroclor 1221	U	48	2.46376812	ug/kg
				Aroclor 1221	U	48	2.46376812	ug/kg
				Aroclor 1232	U	48	2.46376812	ug/kg
				Aroclor 1232	U	48	2.46376812	ug/kg
				Aroclor 1242	U	48	2.46376812	ug/kg
				Aroclor 1242	U	48	2.46376812	ug/kg
				Aroclor 1248	U	48	2.46376812	ug/kg
				Aroclor 1248	U	48	2.46376812	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-045-5783-SD	A0D020496002	8082	SO	Aroclor 1254	U	48	2.46376812	ug/kg
				Aroclor 1254	U	48	2.46376812	ug/kg
				Aroclor 1260	U	48	2.46376812	ug/kg
				Aroclor 1260	U	48	2.46376812	ug/kg
		8260B		2-Hexanone	U	29	28.9855072	ug/kg
				4-methyl-2-pentanone (MIBK)	U	29	28.9855072	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	480	478.26087	ug/kg
				1,2-Dichlorobenzene	U	480	478.26087	ug/kg
				1,3-Dichlorobenzene	U	480	478.26087	ug/kg
				1,4-Dichlorobenzene	U	480	478.26087	ug/kg
				2,4,5-Trichlorophenol	U	480	478.26087	ug/kg
				2,4,6-Trichlorophenol	U	480	478.26087	ug/kg
				2,4-Dichlorophenol	U	480	478.26087	ug/kg
				2,4-Dimethylphenol	U	480	478.26087	ug/kg
				2,4-Dinitrophenol	U	1200	1159.42029	ug/kg
				2,4-Dinitrotoluene	U	480	478.26087	ug/kg
				2,6-Dinitrotoluene	U	480	478.26087	ug/kg
				2-Chloronaphthalene	U	480	478.26087	ug/kg
				2-Chlorophenol	U	480	478.26087	ug/kg
				2-Methylphenol	U	480	478.26087	ug/kg
				2-Nitroaniline	U	1200	1159.42029	ug/kg
				2-Nitrophenol	U	480	478.26087	ug/kg
				3,3'-Dichlorobenzidine	U	480	478.26087	ug/kg
				3-methylphenol/4-methylphenol	U	480	#Error	ug/kg
				3-Nitroaniline	U	1200	1159.42029	ug/kg
				4,6-Dinitro-2-methylphenol	U	1200	1159.42029	ug/kg
				4-Bromophenyl phenyl ether	U	480	478.26087	ug/kg
				4-Chloro-3-methylphenol	U	480	478.26087	ug/kg
				4-Chloroaniline	U	480	478.26087	ug/kg
				4-Chlorophenyl phenyl ether	U	480	478.26087	ug/kg
				4-Nitroaniline	U	1200	1159.42029	ug/kg
				4-Nitrophenol	U	1200	1159.42029	ug/kg
				Benzoic acid	U	1200	1159.42029	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-045-5783-SD	A0D020496002	8270C	SO	Benzyl alcohol	U	480	478.26087	ug/kg
				bis(2-Chloroethoxy)methane	U	480	478.26087	ug/kg
				bis(2-Chloroethyl) ether	U	480	478.26087	ug/kg
				Bis(2-chloroisopropyl) ether	U	480	478.26087	ug/kg
				bis(2-Ethylhexyl) phthalate	U	480	478.26087	ug/kg
				Butyl benzyl phthalate	U	480	478.26087	ug/kg
				Dibenzofuran	U	480	478.26087	ug/kg
				Diethyl phthalate	U	480	478.26087	ug/kg
				Dimethyl phthalate	U	480	478.26087	ug/kg
				Di-n-octyl phthalate	U	480	478.26087	ug/kg
				Hexachlorobenzene	U	480	478.26087	ug/kg
				Hexachlorobutadiene	U	480	478.26087	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	480	#Error	ug/kg
				Hexachloroethane	U	480	478.26087	ug/kg
				Isophorone	U	480	478.26087	ug/kg
				Nitrobenzene	U	480	478.26087	ug/kg
				N-Nitrosodi-n-propylamine	U	480	478.26087	ug/kg
				N-Nitrosodiphenylamine	U	480	478.26087	ug/kg
				Pentachlorophenol	U	480	478.26087	ug/kg
				Phenol	U	480	478.26087	ug/kg
CPCSD-047-5025-SD	A0D020496003	6020	SO	Thallium	U	1.3	1.25	mg/kg
		7471A		Mercury	U	0.64	0.625	mg/kg
		8081A		4,4'-DDD	U	64	62.5	ug/kg
				4,4'-DDE	U	55	53.125	ug/kg
				4,4'-DDT	U	64	62.5	ug/kg
				Aldrin	U	130	125	ug/kg
				alpha-BHC	U	80	78.125	ug/kg
				alpha-Chordane	U	96	93.75	ug/kg
				beta-BHC	U	110	109.375	ug/kg
				delta-BHC	U	130	125	ug/kg
				Dieldrin	U	55	53.125	ug/kg
				Endosulfan I	U	55	53.125	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-047-5025-SD	A0D020496003	8081A	SO	Endosulfan II	U	80	78.125	ug/kg
				Endosulfan sulfate	U	96	93.75	ug/kg
				Endrin	U	55	53.125	ug/kg
				Endrin aldehyde	U	96	93.75	ug/kg
				Endrin ketone	U	64	62.5	ug/kg
				gamma-BHC (Lindane)	U	80	78.125	ug/kg
				gamma-Chlordane	U	55	53.125	ug/kg
				Heptachlor	U	110	109.375	ug/kg
				Heptachlor epoxide	U	80	78.125	ug/kg
				Methoxychlor	U	160	156.25	ug/kg
				Toxaphene	U	2200	2093.75	ug/kg
		8082		Aroclor 1016	U	210	10.625	ug/kg
				Aroclor 1221	U	210	10.625	ug/kg
				Aroclor 1232	U	210	10.625	ug/kg
				Aroclor 1242	U	210	10.625	ug/kg
				Aroclor 1248	U	210	10.625	ug/kg
				Aroclor 1254	U	210	10.625	ug/kg
				Aroclor 1260	U	210	10.625	ug/kg
		8260B		1,1,1-Trichloroethane	U	32	31.25	ug/kg
				1,1,2,2-Tetrachloroethane	U	32	31.25	ug/kg
				1,1,2-Trichloroethane	U	32	31.25	ug/kg
				1,1-Dichloroethane	U	32	31.25	ug/kg
				1,1-Dichloroethene	U	32	31.25	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	32	31.25	ug/kg
				1,2-Dichloroethane	U	32	31.25	ug/kg
				1,2-Dichloroethene (total)	U	32	31.25	ug/kg
				1,2-Dichloropropane	U	32	31.25	ug/kg
				2-Hexanone	U	130	125	ug/kg
				4-methyl-2-pentanone (MIBK)	U	130	125	ug/kg
				Benzene	U	32	31.25	ug/kg
				Bromochloromethane	U	32	31.25	ug/kg
				Bromodichloromethane	U	32	31.25	ug/kg
				Bromoform	U	32	31.25	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-047-5025-SD	A0D020496003	8260B	SO	Bromomethane (Methyl bromide)	U	32	31.25	ug/kg
				Carbon disulfide	U	32	31.25	ug/kg
				Carbon tetrachloride	U	32	31.25	ug/kg
				Chlorobenzene	U	32	31.25	ug/kg
				Chlorodibromomethane	U	32	31.25	ug/kg
				Chloroethane	U	32	31.25	ug/kg
				Chloroform	U	32	31.25	ug/kg
				Chloromethane	U	32	31.25	ug/kg
				cis-1,3-Dichloropropene	U	32	31.25	ug/kg
				Ethylbenzene	U	32	31.25	ug/kg
				Styrene	U	32	31.25	ug/kg
				Tetrachloroethene	U	32	31.25	ug/kg
				Toluene	U	32	31.25	ug/kg
				trans-1,3-Dichloropropene	U	32	31.25	ug/kg
				Trichloroethene	U	32	31.25	ug/kg
				Vinyl chloride	U	32	31.25	ug/kg
				Xylene (Total)	U	64	62.5	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	2100	2062.5	ug/kg
				1,2-Dichlorobenzene	U	2100	2062.5	ug/kg
				1,3-Dichlorobenzene	U	2100	2062.5	ug/kg
				1,4-Dichlorobenzene	U	2100	2062.5	ug/kg
				2,4,5-Trichlorophenol	U	2100	2062.5	ug/kg
				2,4,6-Trichlorophenol	U	2100	2062.5	ug/kg
				2,4-Dichlorophenol	U	2100	2062.5	ug/kg
				2,4-Dimethylphenol	U	2100	2062.5	ug/kg
				2,4-Dinitrophenol	U	5100	5000	ug/kg
				2,4-Dinitrotoluene	U	2100	2062.5	ug/kg
				2,6-Dinitrotoluene	U	2100	2062.5	ug/kg
				2-Chloronaphthalene	U	2100	2062.5	ug/kg
				2-Chlorophenol	U	2100	2062.5	ug/kg
				2-Methylnaphthalene	U	2100	2062.5	ug/kg
				2-Methylphenol	U	2100	2062.5	ug/kg
				2-Nitroaniline	U	5100	5000	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-047-5025-SD	A0D020496003	8270C	SO	2-Nitrophenol	U	2100	2062.5	ug/kg
				3,3'-Dichlorobenzidine	U	2100	2062.5	ug/kg
				3-methylphenol/4-methylphenol	U	2100	#Error	ug/kg
				3-Nitroaniline	U	5100	5000	ug/kg
				4,6-Dinitro-2-methylphenol	U	5100	5000	ug/kg
				4-Bromophenyl phenyl ether	U	2100	2062.5	ug/kg
				4-Chloro-3-methylphenol	U	2100	2062.5	ug/kg
				4-Chloroaniline	U	2100	2062.5	ug/kg
				4-Chlorophenyl phenyl ether	U	2100	2062.5	ug/kg
				4-Nitroaniline	U	5100	5000	ug/kg
				4-Nitrophenol	U	5100	5000	ug/kg
				Benzoic acid	U	5100	5000	ug/kg
				Benzyl alcohol	U	2100	2062.5	ug/kg
				bis(2-Chloroethoxy)methane	U	2100	2062.5	ug/kg
				bis(2-Chloroethyl) ether	U	2100	2062.5	ug/kg
				Bis(2-chloroisopropyl) ether	U	2100	2062.5	ug/kg
				Butyl benzyl phthalate	U	2100	2062.5	ug/kg
				Carbazole	U	320	312.5	ug/kg
				Dibenzofuran	U	2100	2062.5	ug/kg
				Diethyl phthalate	U	2100	2062.5	ug/kg
				Dimethyl phthalate	U	2100	2062.5	ug/kg
				Di-n-butyl phthalate	U	2100	2062.5	ug/kg
				Di-n-octyl phthalate	U	2100	2062.5	ug/kg
				Hexachlorobenzene	U	2100	2062.5	ug/kg
				Hexachlorobutadiene	U	2100	2062.5	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	2100	#Error	ug/kg
				Hexachloroethane	U	2100	2062.5	ug/kg
				Isophorone	U	2100	2062.5	ug/kg
				Nitrobenzene	U	2100	2062.5	ug/kg
				N-Nitrosodi-n-propylamine	U	2100	2062.5	ug/kg
				N-Nitrosodiphenylamine	U	2100	2062.5	ug/kg
				Pentachlorophenol	U	2100	2062.5	ug/kg
				Phenol	U	2100	2062.5	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-047-5025-SD	A0D020496003	8330M	SO	Nitroguanidine	U	0.26	1.59375	mg/kg
CPCSD-047-5785-SD	A0D020496004	8081A	SO	Aldrin	U	29	28.9855072	ug/kg
				alpha-Chordane	U	22	21.7391304	ug/kg
				delta-BHC	U	29	28.9855072	ug/kg
				Endosulfan sulfate	U	22	21.7391304	ug/kg
				Endrin aldehyde	U	22	21.7391304	ug/kg
		8082		Aroclor 1016	U	48	2.46376812	ug/kg
				Aroclor 1221	U	48	2.46376812	ug/kg
				Aroclor 1232	U	48	2.46376812	ug/kg
				Aroclor 1242	U	48	2.46376812	ug/kg
				Aroclor 1248	U	48	2.46376812	ug/kg
				Aroclor 1254	U	48	2.46376812	ug/kg
				Aroclor 1260	U	48	2.46376812	ug/kg
		8260B		2-Hexanone	U	29	28.9855072	ug/kg
				4-methyl-2-pentanone (MIBK)	U	29	28.9855072	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	480	478.26087	ug/kg
				1,2-Dichlorobenzene	U	480	478.26087	ug/kg
				1,3-Dichlorobenzene	U	480	478.26087	ug/kg
				1,4-Dichlorobenzene	U	480	478.26087	ug/kg
				2,4,5-Trichlorophenol	U	480	478.26087	ug/kg
				2,4,6-Trichlorophenol	U	480	478.26087	ug/kg
				2,4-Dichlorophenol	U	480	478.26087	ug/kg
				2,4-Dimethylphenol	U	480	478.26087	ug/kg
				2,4-Dinitrophenol	U	1200	1159.42029	ug/kg
				2,4-Dinitrotoluene	U	480	478.26087	ug/kg
				2,6-Dinitrotoluene	U	480	478.26087	ug/kg
				2-Chloronaphthalene	U	480	478.26087	ug/kg
				2-Chlorophenol	U	480	478.26087	ug/kg
				2-Methylnaphthalene	U	480	478.26087	ug/kg
				2-Methylphenol	U	480	478.26087	ug/kg
				2-Nitroaniline	U	1200	1159.42029	ug/kg
				2-Nitrophenol	U	480	478.26087	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-047-5785-SD	A0D020496004	8270C	SO	3,3'-Dichlorobenzidine	U	480	478.26087	ug/kg
				3-methylphenol/4-methylphenol	U	480	#Error	ug/kg
				3-Nitroaniline	U	1200	1159.42029	ug/kg
				4,6-Dinitro-2-methylphenol	U	1200	1159.42029	ug/kg
				4-Bromophenyl phenyl ether	U	480	478.26087	ug/kg
				4-Chloro-3-methylphenol	U	480	478.26087	ug/kg
				4-Chloroaniline	U	480	478.26087	ug/kg
				4-Chlorophenyl phenyl ether	U	480	478.26087	ug/kg
				4-Nitroaniline	U	1200	1159.42029	ug/kg
				4-Nitrophenol	U	1200	1159.42029	ug/kg
				Benzoic acid	U	1200	1159.42029	ug/kg
				Benzyl alcohol	U	480	478.26087	ug/kg
				bis(2-Chloroethoxy)methane	U	480	478.26087	ug/kg
				bis(2-Chloroethyl) ether	U	480	478.26087	ug/kg
				Bis(2-chloroisopropyl) ether	U	480	478.26087	ug/kg
				bis(2-Ethylhexyl) phthalate	U	480	478.26087	ug/kg
				Butyl benzyl phthalate	U	480	478.26087	ug/kg
				Dibenzofuran	U	480	478.26087	ug/kg
				Diethyl phthalate	U	480	478.26087	ug/kg
				Dimethyl phthalate	U	480	478.26087	ug/kg
				Di-n-butyl phthalate	U	480	478.26087	ug/kg
				Di-n-octyl phthalate	U	480	478.26087	ug/kg
				Hexachlorobenzene	U	480	478.26087	ug/kg
				Hexachlorobutadiene	U	480	478.26087	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	480	#Error	ug/kg
				Hexachloroethane	U	480	478.26087	ug/kg
				Isophorone	U	480	478.26087	ug/kg
				Nitrobenzene	U	480	478.26087	ug/kg
				N-Nitrosodi-n-propylamine	U	480	478.26087	ug/kg
				N-Nitrosodiphenylamine	U	480	478.26087	ug/kg
				Pentachlorophenol	U	480	478.26087	ug/kg
				Phenol	U	480	478.26087	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.01434783	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-047-5785-SD	A0D020496004	8330B	SO	1,3-Dinitrobenzene	U	0.25	0.35869565	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.35869565	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.35869565	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.35869565	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.35869565	mg/kg
				2-Nitrotoluene	U	0.25	0.35869565	mg/kg
				3-Nitrotoluene	U	0.25	0.35869565	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.35869565	mg/kg
				4-Nitrotoluene	U	0.50	0.71739130	mg/kg
				Nitrobenzene	U	0.25	0.35869565	mg/kg
		8330M		Nitroguanidine	U	0.26	0.36956522	mg/kg
CPCSD-048-5026-SD	A0D020496005	8081A	SO	4,4'-DDD	U	18	17.5438596	ug/kg
				4,4'-DDE	U	15	14.9122807	ug/kg
				4,4'-DDT	U	18	17.5438596	ug/kg
				alpha-BHC	U	22	21.9298246	ug/kg
				beta-BHC	U	31	30.7017544	ug/kg
				Dieldrin	U	15	14.9122807	ug/kg
				Endosulfan I	U	15	14.9122807	ug/kg
				Endosulfan II	U	22	21.9298246	ug/kg
				Endrin	U	15	14.9122807	ug/kg
				Endrin ketone	U	18	17.5438596	ug/kg
				gamma-BHC (Lindane)	U	22	21.9298246	ug/kg
				gamma-Chlordane	U	15	14.9122807	ug/kg
				Heptachlor	U	31	30.7017544	ug/kg
				Heptachlor epoxide	U	22	21.9298246	ug/kg
				Methoxychlor	U	44	43.8596491	ug/kg
				Toxaphene	U	590	587.719298	ug/kg
		8082		Aroclor 1016	U	58	2.98245614	ug/kg
				Aroclor 1221	U	58	2.98245614	ug/kg
				Aroclor 1232	U	58	2.98245614	ug/kg
				Aroclor 1242	U	58	2.98245614	ug/kg
				Aroclor 1248	U	58	2.98245614	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-048-5026-SD	A0D020496005	8082	SO	Aroclor 1254	U	58	2.98245614	ug/kg
				Aroclor 1260	U	58	2.98245614	ug/kg
		8260B		1,1,1-Trichloroethane	U	8.8	8.77192982	ug/kg
				1,1,2,2-Tetrachloroethane	U	8.8	8.77192982	ug/kg
				1,1,2-Trichloroethane	U	8.8	8.77192982	ug/kg
				1,1-Dichloroethane	U	8.8	8.77192982	ug/kg
				1,1-Dichloroethene	U	8.8	8.77192982	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	8.8	8.77192982	ug/kg
				1,2-Dichloroethane	U	8.8	8.77192982	ug/kg
				1,2-Dichloroethene (total)	U	8.8	8.77192982	ug/kg
				1,2-Dichloropropane	U	8.8	8.77192982	ug/kg
				Benzene	U	8.8	8.77192982	ug/kg
				Bromochloromethane	U	8.8	8.77192982	ug/kg
				Bromodichloromethane	U	8.8	8.77192982	ug/kg
				Bromoform	U	8.8	8.77192982	ug/kg
				Bromomethane (Methyl bromide)	U	8.8	8.77192982	ug/kg
				Carbon disulfide	U	8.8	8.77192982	ug/kg
				Carbon tetrachloride	U	8.8	8.77192982	ug/kg
				Chlorobenzene	U	8.8	8.77192982	ug/kg
				Chlorodibromomethane	U	8.8	8.77192982	ug/kg
				Chloroethane	U	8.8	8.77192982	ug/kg
				Chloroform	U	8.8	8.77192982	ug/kg
				Chloromethane	U	8.8	8.77192982	ug/kg
				cis-1,3-Dichloropropene	U	8.8	8.77192982	ug/kg
				Ethylbenzene	U	8.8	8.77192982	ug/kg
				Styrene	U	8.8	8.77192982	ug/kg
				Tetrachloroethene	U	8.8	8.77192982	ug/kg
				Toluene	U	8.8	8.77192982	ug/kg
				trans-1,3-Dichloropropene	U	8.8	8.77192982	ug/kg
				Trichloroethene	U	8.8	8.77192982	ug/kg
				Vinyl chloride	U	8.8	8.77192982	ug/kg
				Xylene (Total)	U	18	17.5438596	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	580	578.947368	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-048-5026-SD	A0D020496005	8270C	SO	1,2-Dichlorobenzene	U	580	578.947368	ug/kg
				1,3-Dichlorobenzene	U	580	578.947368	ug/kg
				1,4-Dichlorobenzene	U	580	578.947368	ug/kg
				2,4,5-Trichlorophenol	U	580	578.947368	ug/kg
				2,4,6-Trichlorophenol	U	580	578.947368	ug/kg
				2,4-Dichlorophenol	U	580	578.947368	ug/kg
				2,4-Dimethylphenol	U	580	578.947368	ug/kg
				2,4-Dinitrotoluene	U	580	578.947368	ug/kg
				2,6-Dinitrotoluene	U	580	578.947368	ug/kg
				2-Chloronaphthalene	U	580	578.947368	ug/kg
				2-Chlorophenol	U	580	578.947368	ug/kg
				2-Methylnaphthalene	U	580	578.947368	ug/kg
				2-Methylphenol	U	580	578.947368	ug/kg
				2-Nitrophenol	U	580	578.947368	ug/kg
				3,3'-Dichlorobenzidine	U	580	578.947368	ug/kg
				3-methylphenol/4-methylphenol	U	580	#Error	ug/kg
				4-Bromophenyl phenyl ether	U	580	578.947368	ug/kg
				4-Chloro-3-methylphenol	U	580	578.947368	ug/kg
				4-Chloroaniline	U	580	578.947368	ug/kg
				4-Chlorophenyl phenyl ether	U	580	578.947368	ug/kg
				Benzyl alcohol	U	580	578.947368	ug/kg
				bis(2-Chloroethoxy)methane	U	580	578.947368	ug/kg
				bis(2-Chloroethyl) ether	U	580	578.947368	ug/kg
				Bis(2-chloroisopropyl) ether	U	580	578.947368	ug/kg
				bis(2-Ethylhexyl) phthalate	U	580	578.947368	ug/kg
				Butyl benzyl phthalate	U	580	578.947368	ug/kg
				Carbazole	U	88	87.7192982	ug/kg
				Dibenzofuran	U	580	578.947368	ug/kg
				Diethyl phthalate	U	580	578.947368	ug/kg
				Dimethyl phthalate	U	580	578.947368	ug/kg
				Di-n-butyl phthalate	U	580	578.947368	ug/kg
				Di-n-octyl phthalate	U	580	578.947368	ug/kg
				Hexachlorobenzene	U	580	578.947368	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-048-5026-SD	A0D020496005	8270C	SO	Hexachlorobutadiene	U	580	578.947368	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	580	#Error	ug/kg
				Hexachloroethane	U	580	578.947368	ug/kg
				Isophorone	U	580	578.947368	ug/kg
				Nitrobenzene	U	580	578.947368	ug/kg
				N-Nitrosodi-n-propylamine	U	580	578.947368	ug/kg
				N-Nitrosodiphenylamine	U	580	578.947368	ug/kg
				Pentachlorophenol	U	580	578.947368	ug/kg
				Phenol	U	580	578.947368	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.26	0.01789474	mg/kg
				1,3-Dinitrobenzene	U	0.26	0.44736842	mg/kg
				2,4-Dinitrotoluene	U	0.26	0.44736842	mg/kg
				2,6-Dinitrotoluene	U	0.26	0.44736842	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.26	0.44736842	mg/kg
				2-Nitrotoluene	U	0.26	0.44736842	mg/kg
				3-Nitrotoluene	U	0.26	0.44736842	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.26	0.44736842	mg/kg
				Nitrobenzene	U	0.26	0.44736842	mg/kg
CPCSD-048-5786-SD	A0D020496006	353.2 Modified	SO	Nitrocellulose	U	7.6	7.57575758	mg/kg
		8081A		4,4'-DDE	U	13	12.8787879	ug/kg
				alpha-BHC	U	19	18.9393939	ug/kg
				alpha-Chordane	U	23	22.7272727	ug/kg
				Dieldrin	U	13	12.8787879	ug/kg
				Endosulfan I	U	13	12.8787879	ug/kg
				Endosulfan II	U	19	18.9393939	ug/kg
				Endosulfan sulfate	U	23	22.7272727	ug/kg
				Endrin	U	13	12.8787879	ug/kg
				Endrin aldehyde	U	23	22.7272727	ug/kg
				gamma-BHC (Lindane)	U	19	18.9393939	ug/kg
				gamma-Chlordane	U	13	12.8787879	ug/kg
				Heptachlor epoxide	U	19	18.9393939	ug/kg
				Methoxychlor	U	38	37.8787879	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-048-5786-SD	A0D020496006	8081A	SO	Toxaphene	U	510	507.575758	ug/kg
		8260B		1,1,1-Trichloroethane	U	7.6	7.57575758	ug/kg
				1,1,2,2-Tetrachloroethane	U	7.6	7.57575758	ug/kg
				1,1,2-Trichloroethane	U	7.6	7.57575758	ug/kg
				1,1-Dichloroethane	U	7.6	7.57575758	ug/kg
				1,1-Dichloroethene	U	7.6	7.57575758	ug/kg
				1,2-Dibromoethane (Ethylene Dibro	U	7.6	7.57575758	ug/kg
				1,2-Dichloroethane	U	7.6	7.57575758	ug/kg
				1,2-Dichloroethene (total)	U	7.6	7.57575758	ug/kg
				1,2-Dichloropropane	U	7.6	7.57575758	ug/kg
				Benzene	U	7.6	7.57575758	ug/kg
				Bromochloromethane	U	7.6	7.57575758	ug/kg
				Bromodichloromethane	U	7.6	7.57575758	ug/kg
				Bromoform	U	7.6	7.57575758	ug/kg
				Bromomethane (Methyl bromide)	U	7.6	7.57575758	ug/kg
				Carbon disulfide	U	7.6	7.57575758	ug/kg
				Carbon tetrachloride	U	7.6	7.57575758	ug/kg
				Chlorobenzene	U	7.6	7.57575758	ug/kg
				Chlorodibromomethane	U	7.6	7.57575758	ug/kg
				Chloroethane	U	7.6	7.57575758	ug/kg
				Chloroform	U	7.6	7.57575758	ug/kg
				Chloromethane	U	7.6	7.57575758	ug/kg
				cis-1,3-Dichloropropene	U	7.6	7.57575758	ug/kg
				Ethylbenzene	U	7.6	7.57575758	ug/kg
				Styrene	U	7.6	7.57575758	ug/kg
				Tetrachloroethene	U	7.6	7.57575758	ug/kg
				Toluene	U	7.6	7.57575758	ug/kg
				trans-1,3-Dichloropropene	U	7.6	7.57575758	ug/kg
				Trichloroethene	U	7.6	7.57575758	ug/kg
				Vinyl chloride	U	7.6	7.57575758	ug/kg
		8270C		Carbazole	U	76	75.7575758	ug/kg
		8330B		1,3,5-Trinitrobenzene	U	0.25	0.015	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.375	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSD-048-5786-SD	A0D020496006	8330B	SO	2,4,6-Trinitrotoluene (TNT)	U	0.25	0.375	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.375	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.375	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.375	mg/kg
				2-Nitrotoluene	U	0.25	0.375	mg/kg
				3-Nitrotoluene	U	0.25	0.375	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.375	mg/kg
				4-Nitrotoluene	U	0.50	0.75	mg/kg
				Nitrobenzene	U	0.25	0.375	mg/kg
		8330M		Nitroguanidine	U	0.26	0.38636364	mg/kg
CPCSW-045-5028-SW	A0D020496007	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1485	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1485	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1485	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				2-Amino-4,6-dinitrotoluene	U	0.30	0.297	ug/L
				2-Nitrotoluene	U	0.15	0.1485	ug/L
				3-Nitrotoluene	U	0.50	0.495	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.25	0.2475	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1485	ug/L
				Nitrobenzene	U	0.15	0.1485	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.1485	ug/L
CPCSW-047-5030-SW	A0D020496008	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1485	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1485	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1485	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				2-Amino-4,6-dinitrotoluene	U	0.30	0.297	ug/L
				2-Nitrotoluene	U	0.15	0.1485	ug/L
				3-Nitrotoluene	U	0.50	0.495	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.25	0.2475	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1485	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
CPCSW-047-5030-SW	A0D020496008	8330B	AQ	Nitrobenzene	U	0.15	0.1485	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.1485	ug/L
CPCSW-047-6045-FD	A0D020496009	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.147	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.147	ug/L
				2,4-Dinitrotoluene	U	0.15	0.147	ug/L
				2,6-Dinitrotoluene	U	0.15	0.147	ug/L
				2-Nitrotoluene	U	0.15	0.147	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.147	ug/L
				Nitrobenzene	U	0.15	0.147	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.147	ug/L
CPCSW-048-5031-SW	A0D020496010	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.1485	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.1485	ug/L
				2,4-Dinitrotoluene	U	0.15	0.1485	ug/L
				2,6-Dinitrotoluene	U	0.15	0.1485	ug/L
				2-Amino-4,6-dinitrotoluene	U	0.30	0.297	ug/L
				2-Nitrotoluene	U	0.15	0.1485	ug/L
				3-Nitrotoluene	U	0.50	0.495	ug/L
				Hexahydro-1,3,5-Trinitro-1,3,5-Triaz	U	0.25	0.2475	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.1485	ug/L
				Nitrobenzene	U	0.15	0.1485	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.1485	ug/L
LL6SW-084-5794-SW	A0D020496012	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.147	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.147	ug/L
				2,4-Dinitrotoluene	U	0.15	0.147	ug/L
				2,6-Dinitrotoluene	U	0.15	0.147	ug/L
				2-Nitrotoluene	U	0.15	0.147	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.147	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.147	ug/L
				Nitrobenzene	U	0.15	0.147	ug/L
LNWSS-071M-5281-SO	A0D020496016	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01011236	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LNWSS-071M-5281-SO	A0D020496016	8330B	SO	1,3-Dinitrobenzene	U	0.25	0.25280899	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.25280899	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.25280899	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.25280899	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.25280899	mg/kg
				2-Nitrotoluene	U	0.25	0.25280899	mg/kg
				3-Nitrotoluene	U	0.25	0.25280899	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.25280899	mg/kg
				4-Nitrotoluene	U	0.50	0.50561798	mg/kg
				Nitrobenzene	U	0.25	0.25280899	mg/kg
LNWSS-072M-5282-SO	A0D020496018	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01009174	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.25229358	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.25229358	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.25229358	mg/kg
				2-Nitrotoluene	U	0.25	0.25229358	mg/kg
				3-Nitrotoluene	U	0.25	0.25229358	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.25229358	mg/kg
				4-Nitrotoluene	U	0.50	0.50458716	mg/kg
				Nitrobenzene	U	0.25	0.25229358	mg/kg
LNWSS-075M-5285-SO	A0D020496021	8330B	SO	1,3,5-Trinitrobenzene	U	0.25	0.01004057	mg/kg
				1,3-Dinitrobenzene	U	0.25	0.2510142	mg/kg
				2,4,6-Trinitrotoluene (TNT)	U	0.25	0.2510142	mg/kg
				2,4-Dinitrotoluene	U	0.25	0.2510142	mg/kg
				2,6-Dinitrotoluene	U	0.25	0.2510142	mg/kg
				2-Amino-4,6-dinitrotoluene	U	0.25	0.2510142	mg/kg
				2-Nitrotoluene	U	0.25	0.2510142	mg/kg
				3-Nitrotoluene	U	0.25	0.2510142	mg/kg
				4-Amino-2,6-Dinitrotoluene	U	0.25	0.2510142	mg/kg
				4-Nitrotoluene	U	0.50	0.5020284	mg/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LNWSS-075M-5285-SO	A0D020496021	8330B	SO	Nitrobenzene	U	0.25	0.2510142	mg/kg
LNWSS-077M-5287-SO	A0D020496023	8081A	SO	Aldrin	U	4.1	4.06917599	ug/kg
				Aldrin	U	4.1	4.06917599	ug/kg
				alpha-Chordane	U	3.1	3.05188199	ug/kg
				beta-BHC	U	3.6	3.56052899	ug/kg
				delta-BHC	U	4.1	4.06917599	ug/kg
				delta-BHC	U	4.1	4.06917599	ug/kg
				Endosulfan sulfate	U	3.1	3.05188199	ug/kg
				Endosulfan sulfate	U	3.1	3.05188199	ug/kg
				Endrin aldehyde	U	3.1	3.05188199	ug/kg
				Endrin aldehyde	U	3.1	3.05188199	ug/kg
				Heptachlor	U	3.6	3.56052899	ug/kg
				Heptachlor	U	3.6	3.56052899	ug/kg
				Methoxychlor	U	5.1	5.08646999	ug/kg
				Methoxychlor	U	5.1	5.08646999	ug/kg
		8082		Aroclor 1016	U	34	1.7293998	ug/kg
				Aroclor 1221	U	34	1.7293998	ug/kg
				Aroclor 1232	U	34	1.7293998	ug/kg
				Aroclor 1242	U	34	1.7293998	ug/kg
				Aroclor 1248	U	34	1.7293998	ug/kg
				Aroclor 1254	U	34	1.7293998	ug/kg
				Aroclor 1260	U	34	1.7293998	ug/kg
		8270C		1,2,4-Trichlorobenzene	U	340	335.707019	ug/kg
				1,2-Dichlorobenzene	U	340	335.707019	ug/kg
				1,3-Dichlorobenzene	U	340	335.707019	ug/kg
				1,4-Dichlorobenzene	U	340	335.707019	ug/kg
				2,4,5-Trichlorophenol	U	340	335.707019	ug/kg
				2,4,6-Trichlorophenol	U	340	335.707019	ug/kg
				2,4-Dichlorophenol	U	340	335.707019	ug/kg
				2,4-Dimethylphenol	U	340	335.707019	ug/kg
				2,4-Dinitrotoluene	U	340	335.707019	ug/kg
				2,6-Dinitrotoluene	U	340	335.707019	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LNWSS-077M-5287-SO	A0D020496023	8270C	SO	2-Chloronaphthalene	U	340	335.707019	ug/kg
				2-Chlorophenol	U	340	335.707019	ug/kg
				2-Methylphenol	U	340	335.707019	ug/kg
				2-Nitrophenol	U	340	335.707019	ug/kg
				3,3'-Dichlorobenzidine	U	340	335.707019	ug/kg
				3-methylphenol/4-methylphenol	U	340	#Error	ug/kg
				4-Bromophenyl phenyl ether	U	340	335.707019	ug/kg
				4-Chloro-3-methylphenol	U	340	335.707019	ug/kg
				4-Chloroaniline	U	340	335.707019	ug/kg
				4-Chlorophenyl phenyl ether	U	340	335.707019	ug/kg
				Benzyl alcohol	U	340	335.707019	ug/kg
				bis(2-Chloroethoxy)methane	U	340	335.707019	ug/kg
				bis(2-Chloroethyl) ether	U	340	335.707019	ug/kg
				Bis(2-chloroisopropyl) ether	U	340	335.707019	ug/kg
				Butyl benzyl phthalate	U	340	335.707019	ug/kg
				Carbazole	U	51	50.8646999	ug/kg
				Dibenzofuran	U	340	335.707019	ug/kg
				Dimethyl phthalate	U	340	335.707019	ug/kg
				Di-n-octyl phthalate	U	340	335.707019	ug/kg
				Hexachlorobenzene	U	340	335.707019	ug/kg
				Hexachlorobutadiene	U	340	335.707019	ug/kg
				HEXACHLOROCYCLOPENTADIE	U	340	#Error	ug/kg
				Hexachloroethane	U	340	335.707019	ug/kg
				Isophorone	U	340	335.707019	ug/kg
				Nitrobenzene	U	340	335.707019	ug/kg
				N-Nitrosodi-n-propylamine	U	340	335.707019	ug/kg
				N-Nitrosodiphenylamine	U	340	335.707019	ug/kg
				Pentachlorophenol	U	340	335.707019	ug/kg
				Phenol	U	340	335.707019	ug/kg
LNWSS-077M-5287-SO(V	A0D020496024	8260B	SO	2-Butanone (MEK)	U	26	25.6410256	ug/kg
				2-Hexanone	U	26	25.6410256	ug/kg
				4-methyl-2-pentanone (MIBK)	U	26	25.6410256	ug/kg

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
LNWSS-077M-5287-SO(V	A0D020496024	8260B	SO	Acetone	U	26	25.6410256	ug/kg
				Xylene (Total)	U	13	12.8205128	ug/kg
PBA08-QC-6002-ER	A0D020496014	8330B	AQ	1,3-Dinitrobenzene	U	0.15	0.147	ug/L
				2,4,6-Trinitrotoluene (TNT)	U	0.15	0.147	ug/L
				2,4-Dinitrotoluene	U	0.15	0.147	ug/L
				2,6-Dinitrotoluene	U	0.15	0.147	ug/L
				2-Nitrotoluene	U	0.15	0.147	ug/L
				4-Amino-2,6-Dinitrotoluene	U	0.15	0.147	ug/L
				Methyl-2,4,6-Trinitrophenylnitramin	U	0.15	0.147	ug/L
				Nitrobenzene	U	0.15	0.147	ug/L
				Octahydro-1,3,5,7-tetranitro-1,3,5,7	U	0.15	0.147	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **172819.00.09456.00.9200.02.200 - RVAAP PBA2008 17 AOCs RI**

QC Outlier Report: Equipment Blank

Lab Reporting Batch :
Lab ID:
Method/Preparation Batch :
Analysis Date :
Client Sample ID :
Preparation Date :
Lab Sample ID :
Preparation Type :

Analysis Method :

No contamination was found.

QC Outlier Report: Trip Blank

Lab Reporting Batch :
Lab ID:
Method/Preparation Batch :
Analysis Date :
Client Sample ID :
Preparation Date :
Lab Sample ID :
Preparation Type :

Analysis Method :

No contamination was found.

Continuing Calibration (CCV) Outlier Report (Organics)

There are no Organic Continuing Calibrations with outliers

Continuing Calibration (CCAL) Outlier Report (Inorganics)

There are no Inorganic Continuing Calibrations with outliers

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
CPCSD-045-5023-SD	A0D020496001	353.2 Modified	SO	Nitrocellulose	B	7.8	28.8	mg/kg
		6020		Antimony	J	1.4	2.9	mg/kg
				Selenium	J	2.2	2.9	mg/kg
				Silver	J	1.7	2.9	mg/kg
				Sodium	J	142	576	mg/kg
				Thallium	J	0.41	1.2	mg/kg
		7471A		Mercury	J	0.082	0.58	mg/kg
		8260B		2-Butanone (MEK)	J	47	120	ug/kg
				Carbon disulfide	J	3.3	29	ug/kg
				Methylene chloride	J B	7.2	29	ug/kg
		8330B		Methyl-2,4,6-Trinitrophenylnitramine (T	J PG	0.022	0.26	mg/kg
CPCSD-045-5783-SD	A0D020496002	353.2 Modified		Nitrocellulose	B	1.9	7.2	mg/kg
		6020		Antimony	J	0.15	0.72	mg/kg
				Silver	J	0.075	0.72	mg/kg
				Sodium	J	86.9	144	mg/kg
				Thallium	J	0.21	0.29	mg/kg
		7471A		Mercury	J	0.054	0.14	mg/kg
		8260B		2-Butanone (MEK)	J	12	29	ug/kg
				Methylene chloride	J B	1.8	7.2	ug/kg
		8270C		2-Methylnaphthalene	J	25	480	ug/kg
				Di-n-butyl phthalate	J	23	480	ug/kg
		8330B		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetr	J PG	0.015	0.24	mg/kg
CPCSD-047-5025-SD	A0D020496003	353.2 Modified		Nitrocellulose	B	10.4	32.1	mg/kg
		6020		Antimony	J	2.1	3.2	mg/kg
				Selenium	J	2.7	3.2	mg/kg
				Sodium	J	178	642	mg/kg
		8260B		2-Butanone (MEK)	J	55	130	ug/kg
				Methylene chloride	J B	12	32	ug/kg
		8270C		bis(2-Ethylhexyl) phthalate	J	160	2100	ug/kg
		8330B		Methyl-2,4,6-Trinitrophenylnitramine (T	J PG	0.024	0.25	mg/kg
CPCSD-047-5785-SD	A0D020496004	6020		Antimony	J	0.15	0.72	mg/kg
				Cadmium	J	0.24	0.29	mg/kg
				Silver	J	0.25	0.72	mg/kg
				Sodium	J	56.9	145	mg/kg
				Thallium	J	0.15	0.29	mg/kg
		8260B		2-Butanone (MEK)	J	13	29	ug/kg

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
CPCSD-047-5785-SD	A0D020496004	8260B	SO	Methylene chloride	J B	2.8	7.2	ug/kg
CPCSD-048-5026-SD	A0D020496005	353.2 Modified		Nitrocellulose	B	3.1	8.8	mg/kg
		6020		Antimony	J	0.45	0.88	mg/kg
				Selenium	J	0.79	0.88	mg/kg
				Sodium	J	73.0	176	mg/kg
				Thallium	J	0.16	0.35	mg/kg
		7471A		Mercury	J	0.036	0.18	mg/kg
		8260B		2-Butanone (MEK)	J	30	35	ug/kg
				Methylene chloride	J B	1.8	8.8	ug/kg
		8330B		2,4,6-Trinitrotoluene (TNT)	J PG	0.088	0.26	mg/kg
CPCSD-048-5786-SD	A0D020496006	6020		Antimony	J	0.17	0.76	mg/kg
				Cadmium	J	0.28	0.30	mg/kg
				Silver	J	0.71	0.76	mg/kg
				Sodium	J	85.5	151	mg/kg
				Thallium	J	0.15	0.30	mg/kg
		7471A		Mercury	J	0.031	0.15	mg/kg
		8260B		2-Butanone (MEK)	J	10	30	ug/kg
				Methylene chloride	J B	3.2	7.6	ug/kg
		8270C		Di-n-butyl phthalate	J	34	500	ug/kg
CPCSW-045-5028-SW	A0D020496007	6020	AQ	Antimony	J	0.88	5.0	ug/L
				Arsenic	J	0.92	5.0	ug/L
				Beryllium	J	0.034	1.0	ug/L
				Cadmium	J	0.043	2.0	ug/L
				Cobalt	J	0.15	5.0	ug/L
				Copper	J	1.6	5.0	ug/L
				Lead	J	0.29	3.0	ug/L
				Nickel	J	1.4	10.0	ug/L
				Selenium	J	0.32	5.0	ug/L
				Silver	J	0.029	5.0	ug/L
				Thallium	J	0.35	2.0	ug/L
		8260B		Acetone	J	1.8	10	ug/L
		8270C		Benzyl alcohol	J	4.9	10	ug/L
				bis(2-Ethylhexyl) phthalate	J B	0.90	10	ug/L
				Butyl benzyl phthalate	J	1.8	10	ug/L
CPCSW-047-5030-SW	A0D020496008	6020		Antimony	J	0.96	5.0	ug/L
				Arsenic	J	1.0	5.0	ug/L

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
CPCSW-047-5030-SW	A0D020496008	6020	AQ	Beryllium	J	0.064	1.0	ug/L
				Cadmium	J	0.062	2.0	ug/L
				Chromium	J	0.62	5.0	ug/L
				Cobalt	J	0.39	5.0	ug/L
				Copper	J	2.1	5.0	ug/L
				Lead	J	0.47	3.0	ug/L
				Nickel	J	1.9	10.0	ug/L
				Selenium	J	0.23	5.0	ug/L
				Silver	J	0.070	5.0	ug/L
				Thallium	J	0.46	2.0	ug/L
				Vanadium	J	0.51	10.0	ug/L
				Zinc	J	10.9	40.0	ug/L
		8260B		Acetone	J	2.6	10	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	2.0	10	ug/L
		8330B		4-Amino-2,6-Dinitrotoluene	J	0.043	0.15	ug/L
CPCSW-047-6045-FD	A0D020496009	6020		Antimony	J	0.95	5.0	ug/L
				Arsenic	J	0.86	5.0	ug/L
				Beryllium	J	0.076	1.0	ug/L
				Cadmium	J	0.039	2.0	ug/L
				Cobalt	J	0.27	5.0	ug/L
				Copper	J	1.8	5.0	ug/L
				Lead	J	0.30	3.0	ug/L
				Nickel	J	1.7	10.0	ug/L
				Selenium	J	0.20	5.0	ug/L
				Silver	J	0.038	5.0	ug/L
				Vanadium	J	0.54	10.0	ug/L
		8081A		beta-BHC	J	0.018	0.050	ug/L
		8260B		Acetone	J	2.7	10	ug/L
		8330B		4-Amino-2,6-Dinitrotoluene	J	0.036	0.15	ug/L
CPCSW-048-5031-SW	A0D020496010	6020		Antimony	J	1.0	5.0	ug/L
				Arsenic	J	0.90	5.0	ug/L
				Beryllium	J	0.053	1.0	ug/L
				Cadmium	J	0.057	2.0	ug/L
				Chromium	J	0.56	5.0	ug/L
				Cobalt	J	0.41	5.0	ug/L
				Copper	J	1.9	5.0	ug/L

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
CPCSW-048-5031-SW	A0D020496010	6020	AQ	Lead	J	0.32	3.0	ug/L
				Nickel	J	2.0	10.0	ug/L
				Selenium	J	0.31	5.0	ug/L
				Silver	J	0.053	5.0	ug/L
				Zinc	J	10.1	40.0	ug/L
		8260B		Acetone	J	2.2	10	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	1.1	10	ug/L
		8330B		4-Amino-2,6-Dinitrotoluene	J	0.070	0.15	ug/L
LL6SD-084-5795-SD	A0D020496013	6020	SO	Antimony	J	1.7	4.5	mg/kg
				Beryllium	J	0.65	0.89	mg/kg
				Cadmium	J	0.88	1.8	mg/kg
				Selenium	J	1.4	4.5	mg/kg
				Silver	J	0.21	4.5	mg/kg
				Sodium	J	148	891	mg/kg
		8330B		Methyl-2,4,6-Trinitrophenylnitramine (T	J PG	0.031	0.25	mg/kg
LL6SW-084-5794-SW	A0D020496012	6020	AQ	Antimony	J	0.29	5.0	ug/L
				Arsenic	J	0.81	5.0	ug/L
				Barium	J	9.9	10.0	ug/L
				Cobalt	J	0.090	5.0	ug/L
				Copper	J	2.4	5.0	ug/L
				Lead	J	0.28	3.0	ug/L
				Sodium	J	582	1000	ug/L
		8081A		beta-BHC	J	0.044	0.10	ug/L
		8260B		Acetone	J	2.3	10	ug/L
		8330B		Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetr	J	0.062	0.15	ug/L
LNWSS-070M-5280-SO	A0D020496015	6020	SO	Antimony	J	0.14	0.51	mg/kg
				Silver	J	0.028	0.51	mg/kg
				Sodium	J	50.5	102	mg/kg
				Thallium	J	0.13	0.20	mg/kg
		7471A		Mercury	J	0.046	0.10	mg/kg
LNWSS-071M-5281-SO	A0D020496016	6020		Antimony	J	0.44	0.51	mg/kg
				Silver	J	0.058	0.51	mg/kg
				Sodium	J	40.4	102	mg/kg
				Thallium	J	0.16	0.20	mg/kg
		7471A		Mercury	J	0.040	0.10	mg/kg
LNWSS-072M-5282-SO	A0D020496018	6020		Antimony	J	0.25	0.51	mg/kg

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LNWSS-072M-5282-SO	A0D020496018	6020	SO	Silver	J	0.18	0.51	mg/kg
				Sodium	J	41.0	102	mg/kg
				Thallium	J	0.12	0.20	mg/kg
		7471A		Mercury	J	0.036	0.10	mg/kg
LNWSS-072M-6103-FD	A0D020496017	6020		Antimony	J	0.30	0.51	mg/kg
				Silver	J	0.23	0.51	mg/kg
				Sodium	J	48.4	102	mg/kg
				Thallium	J	0.14	0.20	mg/kg
		7471A		Mercury	J	0.055	0.10	mg/kg
LNWSS-073M-5283-SO	A0D020496019	6020		Antimony	J	0.11	0.51	mg/kg
				Cadmium	J	0.12	0.20	mg/kg
				Silver	J	0.032	0.51	mg/kg
				Sodium	J	35.3	102	mg/kg
				Thallium	J	0.16	0.20	mg/kg
		7471A		Mercury	J	0.034	0.10	mg/kg
		8330B		Nitroglycerin	J PG	0.14	0.50	mg/kg
LNWSS-074M-5284-SO	A0D020496020	6020		Antimony	J	0.14	0.51	mg/kg
				Cadmium	J	0.15	0.20	mg/kg
				Silver	J	0.036	0.51	mg/kg
				Sodium	J	68.4	102	mg/kg
				Thallium	J	0.16	0.20	mg/kg
		7471A		Mercury	J	0.025	0.10	mg/kg
LNWSS-075M-5285-SO	A0D020496021	6020		Antimony	J	0.19	0.51	mg/kg
				Silver	J	0.13	0.51	mg/kg
				Sodium	J	39.8	101	mg/kg
				Thallium	J	0.12	0.20	mg/kg
		7471A		Mercury	J	0.018	0.10	mg/kg
LNWSS-076M-5286-SO	A0D020496022	6020		Antimony	J	0.11	0.51	mg/kg
				Cadmium	J	0.12	0.20	mg/kg
				Silver	J	0.027	0.51	mg/kg
				Sodium	J	30.0	101	mg/kg
				Thallium	J	0.11	0.20	mg/kg
LNWSS-077M-5287-SO	A0D020496023	353.2 Modified		Nitrocellulose	B	0.81	5.1	mg/kg
		6020		Antimony	J	0.11	0.51	mg/kg
				Silver	J	0.028	0.51	mg/kg
				Sodium	J	32.1	102	mg/kg

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
LNWSS-077M-5287-SO	A0D020496023	6020	SO	Thallium	J	0.12	0.20	mg/kg
		7471A		Mercury	J	0.026	0.10	mg/kg
		8081A		4,4'-DDT	J	1.1	2.0	ug/kg
		8270C		2-Methylnaphthalene	J	10	340	ug/kg
				bis(2-Ethylhexyl) phthalate	J	23	340	ug/kg
				Diethyl phthalate	J	22	340	ug/kg
				Di-n-butyl phthalate	J	32	340	ug/kg
		8330M		Nitroguanidine	J	0.11	0.25	mg/kg
LNWSS-077M-5287-SO(V	A0D020496024	8260B		Methylene chloride	J B	1.5	6.4	ug/kg
LNWSS-078M-5288-SO	A0D020496025	6020		Antimony	J	0.18	0.51	mg/kg
				Cadmium	J	0.16	0.20	mg/kg
				Silver	J	0.037	0.51	mg/kg
				Sodium	J	42.8	102	mg/kg
				Thallium	J	0.13	0.20	mg/kg
		7471A		Mercury	J	0.041	0.10	mg/kg
LNWSS-079M-5289-SO	A0D020496026	6020		Antimony	J	0.13	0.51	mg/kg
				Cadmium	J	0.17	0.20	mg/kg
				Silver	J	0.042	0.51	mg/kg
				Sodium	J	33.3	102	mg/kg
				Thallium	J	0.15	0.20	mg/kg
		7471A		Mercury	J	0.047	0.10	mg/kg
		8330B		Methyl-2,4,6-Trinitrophenylnitramine (T	J PG	0.016	0.25	mg/kg
LNWSS-082-5292-SO	A0D020496029	7196A		Chromium, hexavalent	J	0.92	1.1	mg/kg
PBA08-QC-6002-ER	A0D020496014	6020	AQ	Aluminum	J B	25.7	100	ug/L
				Chromium	J	1.2	5.0	ug/L
				Cobalt	J	0.058	5.0	ug/L
				Iron	J	95.7	150	ug/L
				Nickel	J	1.2	10.0	ug/L
				Zinc	J	10.4	40.0	ug/L
		8260B		Toluene	J	0.34	1.0	ug/L
		8270C		Benzyl alcohol	J	0.78	10	ug/L
				Di-n-butyl phthalate	J	0.68	10	ug/L
PBA08-QC-6023-TB	A0D020496011	8260B		Acetone	J	4.6	10	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0D020496
Lab ID: TALCAN
Analysis Method : 8270C
Analysis Date : 04/20/2010
Preparation Type : 3520C
Preparation Date : 04/05/2010
Method Blank Lab Sample ID : A0D050000037B
Preparation Batch : 0095037

bis(2-Ethylhexyl) phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.95**	**10**	**ug/L**	**J**	**Common Contaminant**

bis(2-Ethylhexyl) phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
CPCSW-045-5028-SW	A0D020496007	1	0.90	J B	ug/L
CPCSW-047-5030-SW	A0D020496008	1	2.0	J B	ug/L
CPCSW-048-5031-SW	A0D020496010	1	1.1	J B	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0D020496
Lab ID: TALCAN
Analysis Method : 6020
Analysis Date : 04/14/2010
Preparation Type : 3005A
Preparation Date : 04/06/2010
Method Blank Lab Sample ID : A0D060000017B
Preparation Batch : 0096017

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**33.5**	**100**	**ug/L**	**J**	

Aluminum was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
PBA08-QC-6002-ER	A0D020496014	1	25.7	J B	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A0D020496
Lab ID: TALCAN
Analysis Method : 8260B
Analysis Date : 04/05/2010
Preparation Type : 5030B
Preparation Date : 04/05/2010
Method Blank Lab Sample ID : A0D060000054B
Preparation Batch : 0096054

2-Hexanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.86**	**20**	**ug/kg**	**J**	

2-Hexanone contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**8.6**	**20**	**ug/kg**	**J**	**Common Contaminant**

Acetone was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
CPCSD-045-5783-SD	A0D020496002	1	52	B	ug/kg

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.3**	**5.0**	**ug/kg**	**J**	**Common Contaminant**

Methylene chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
CPCSD-045-5023-SD	A0D020496001	1	7.2	J B	ug/kg
CPCSD-045-5783-SD	A0D020496002	1	1.8	J B	ug/kg
CPCSD-048-5026-SD	A0D020496005	1	1.8	J B	ug/kg
LNWSS-077M-5287-SO(VOC	A0D020496024	1	1.5	J B	ug/kg

Method Blank Outlier Report

Lab Reporting Batch : A0D020496
Lab ID: TALCAN
Analysis Method : 8260B
Analysis Date : 04/06/2010
Preparation Type : 5030B
Preparation Date : 04/06/2010
Method Blank Lab Sample ID : A0D080000449B
Preparation Batch : 0098449

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**6.7**	**20**	**ug/kg**	**J**	**Common Contaminant**

Acetone was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
CPCSD-047-5785-SD	A0D020496004	1	55	B	ug/kg
CPCSD-048-5786-SD	A0D020496006	1	51	B	ug/kg

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.2**	**5.0**	**ug/kg**	**J**	**Common Contaminant**

Methylene chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
CPCSD-047-5025-SD	A0D020496003	1	12	J B	ug/kg
CPCSD-047-5785-SD	A0D020496004	1	2.8	J B	ug/kg
CPCSD-048-5786-SD	A0D020496006	1	3.2	J B	ug/kg

Surrogate Recovery Outlier Report

Lab Report Batch: A0D020496 **Lab ID:** TALCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
CPCSD-045-5023-SD	A0D020496001	8082	1	SO	Decachlorobiphenyl	56	60.0	125.0	10.0	All Target
CPCSD-047-5025-SD	A0D020496003	8081A	5	SO	TETRACHLORO-M-XYLENE	47	55.0	130.0	10.0	All Target
		8082	1		Decachlorobiphenyl	56	60.0	125.0	10.0	All Target
CPCSD-047-5785-SD	A0D020496004	8082	1	SO	Decachlorobiphenyl	55	60.0	125.0	10.0	All Target
CPCSD-048-5026-SD	A0D020496005	8082	1	SO	Decachlorobiphenyl	56	60.0	125.0	10.0	All Target
CPCSW-047-5030-SW	A0D020496008	8082	1	AQ	Decachlorobiphenyl	27	40.0	135.0	10.0	All Target
LL6SW-084-5794-SW	A0D020496012	8270C	1	AQ	2,4,6-Tribromophenol	24	40.0	125.0	10.0	Acid
					2-Fluorophenol	0.0	20.0	110.0	10.0	Acid
					Phenol-d5	6.3	10.0	115.0	10.0	Acid
					2-Fluorobiphenyl	36	50.0	110.0	10.0	Base/Neutral
					Nitrobenzene-d5	39				Base/Neutral
LNWSS-077M-5287-SO	A0D020496023	8081A	1	SO	Decachlorobiphenyl	51	55.0	130.0	10.0	All Target
					TETRACHLORO-M-XYLENE	38	55.0	130.0	10.0	All Target
		8082			Decachlorobiphenyl	39	60.0	125.0	10.0	All Target
PBA08-QC-6002-ER	A0D020496014	8082	1	AQ	Decachlorobiphenyl	34	40.0	135.0	10.0	All Target

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: **Lab ID:**

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifiers	RPD Dup* (%)	RPD Criteria (%)	Result Units

*Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.