AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_Rinsate Blank

Facility: Ravenna Army Ammunition Plant

Event: Spring 2013 RI/SI Sampling Event

Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Contract Laboratory: TestAmerica, Inc., North Canton, OH

Field Contractor: Environmental Chemical Corporation, Otis Ang Base, MA

Data Review Contractor: ECC

SDG: 240-22804-1_74,79,SB,RN, Certified - 6/13/2013 by frederickroche

QC Level: ADR

Project Manager: AL Easterday

Data Reviewer: Samir A. Naguib

Data Reviewer Title: Sr. QA Chemist

Date of Review Report: June 20, 2013

Samples Included in SDG 240-22804-1_74,79,SB,RN

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
E353.2/NONE	1	1	0	0
M8015D/NONE	9	1	0	0
SW6020/NONE	1	1	0	0
SW7470A/NONE		1		0
SW7471A/NONE	1		0	
SW8081/NONE	1	1	0	0
SW8082/NONE	1	1	0	0

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW8260B/NONE	1	2	0	0
SW8270C/NONE	9	1	0	0
SW8330B/NONE	1	1	0	0

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Otis Ang Base, MA; analyses were performed by TestAmerica, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-22804-1_74,79,SB,RN. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Field Duplicate RPD

Initial Calibration Verification

Lab Replicate RPD

LCS RPD

Material Blank

Trip Blank

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 182 results (19.68%) out of the 925 results (sample and field QC samples) reported are qualified based on review and 10 results (1.08%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
E353.2	
M8015D	

SW6020	
SW7470A	
SW7471A	
SW8081	
SW8260B	
SW8270C	
SW8330B	
SW8082	

20-Jun-2013

Reviewed by Samir A. Naguib, Sr. QA Chemist

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Reason and Comment Code Definitions

Reasons	
Code	**Definition**
A	Serial dilution
A1	Ambient Blank
B	The analyte was found in an associated blank as well as in the sample.
B2	CCB
B3	CCB - Neg
c	LCS - low
C	LCS Recovery
d	Field Duplicate RPD
D	MS RPD
D1	Lab Replicate RPD
D2	No precision available
F	Field Blank
F1	Hydrocarbon pattern does not match standard
G1	Initial Calibration RRF
G2	Initial Calibration RSD
h	Holding time exceeded by less than 2X.
H	Holding time exceeded by more than 2X.
H1	Test Hold Time
H2	Prep Hold Time
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
L	Lab Blank
L1	Lab Blank - Neg
m	MS - low
M	MS Recovery
N	Blank - No Action

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Reason and Comment Code Definitions

O	ICS
P	Sample preservation/collection requirement not met.
P1	Column RPD
P2	Improper preparation/extraction
q	Encore sample holding time exceeded by less than 2X.
Q	Encore sample holding time exceeded by more than 2X.
Q1	Material Blank
R	Exceeds LinearCalibration Range
S	Internal standard
T	Trip Blank
TI	Tentatively Identified Compound
TR	Trace Level Detect
U	Receipt Temperature
V	Equipment Blank
V1	ICV
V2	CCV
V3	CCV RRF
V4	Sample Receipt Condition
W	Column breakdown (pesticides)
X	Raised reporting limit
Y	Cooler temperature greater than 10 degreec C.
y	Cooler temperature greater than 4 degrees C, but less than 10 degreec C.
Y1	False Positive
Y2	Data rejected due to radiological anomolies
Z	LCS RPD
Z2	Analyte not confirmed on second column
Z3	High percent moisture in sample.

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Flag Code and Definitions	
Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Batch Report

Test Method: E353.2; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
14024	13964	NA	LABQC	WQ	LABQC	MB 320-13864/1-B		1/1	10-Apr-2013 7:54 AM	10-Apr-2013 7:54 AM	10-Apr-2013 12:00 PM	LB
	13964	NA	LABQC	WQ	LABQC	LCS 320-13864/2-B		1/1	10-Apr-2013 7:54 AM	10-Apr-2013 7:54 AM	10-Apr-2013 12:02 PM	BS
	13964	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	10-Apr-2013 7:54 AM	10-Apr-2013 12:12 PM	N
14914	14752	NA	LABQC	SQ	LABQC	MB 320-14670/1-B		1/1	22-Apr-2013 6:13 AM	22-Apr-2013 6:13 AM	23-Apr-2013 12:45 PM	LB
	14752	NA	LABQC	SQ	LABQC	LCS 320-14670/2-B		1/1	22-Apr-2013 6:13 AM	22-Apr-2013 6:13 AM	23-Apr-2013 12:47 PM	BS
	14752	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	22-Apr-2013 6:13 AM	23-Apr-2013 1:23 PM	N

Test Method: M8015D; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
81310	80861	NA	LABQC	WQ	LABQC	MB 240-80861/11-A		1/1	06-Apr-2013 10:03 AM	06-Apr-2013 10:03 AM	10-Apr-2013 4:43 PM	LB
	80861	NA	LABQC	WQ	LABQC	LCS 240-80861/12-A		1/1	06-Apr-2013 10:03 AM	06-Apr-2013 10:03 AM	10-Apr-2013 5:14 PM	BS
	80861	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	06-Apr-2013 10:03 AM	10-Apr-2013 5:45 PM	N
82537	82097	NA	LABQC	SQ	LABQC	MB 240-82097/23-A		1/1	16-Apr-2013 10:04 AM	16-Apr-2013 10:04 AM	18-Apr-2013 8:41 PM	LB
	82097	NA	LABQC	SQ	LABQC	LCS 240-82097/24-A		1/1	16-Apr-2013 10:04 AM	16-Apr-2013 10:04 AM	18-Apr-2013 9:13 PM	BS
	82097	NA	74-1034-HL-SB11	SO	074SB-0013-0001-SO	240-22804-2		1/1	02-Apr-2013 5:37 PM	16-Apr-2013 10:04 AM	19-Apr-2013 1:54 AM	N
	82097	NA	74-1034-HL-SB11	SO	074SB-0015-0001-SO	240-22804-3		1/1	03-Apr-2013 5:40 PM	16-Apr-2013 10:04 AM	19-Apr-2013 2:25 AM	N
	82097	NA	74-1034-HL-SB12	SO	074SB-0023-0001-SO	240-22804-6		1/1	02-Apr-2013 4:25 PM	16-Apr-2013 10:04 AM	19-Apr-2013 2:57 AM	N
	82097	NA	74-1034-HL-SB13	SO	074SB-0024-0001-SO	240-22804-7		1/1	02-Apr-2013 4:50 PM	16-Apr-2013 10:04 AM	19-Apr-2013 3:28 AM	N
	82097	NA	74-1034-HL-SB11	SO	074SB-0025-0001-SO	240-22804-8		1/1	02-Apr-2013 5:35 PM	16-Apr-2013 10:04 AM	19-Apr-2013 4:00 AM	N

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Batch Report

Test Method: M8015D; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
82321	82109	NA	LABQC	SQ	LABQC	MB 240-82109/20-A		1/1	16-Apr-2013 10:36 AM	16-Apr-2013 10:36 AM	17-Apr-2013 7:25 PM	LB
	82109	NA	LABQC	SQ	LABQC	LCS 240-82109/21-A		1/1	16-Apr-2013 10:36 AM	16-Apr-2013 10:36 AM	17-Apr-2013 7:55 PM	BS
	82109	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	16-Apr-2013 10:36 AM	17-Apr-2013 9:26 PM	N
	82109	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	16-Apr-2013 10:36 AM	17-Apr-2013 9:57 PM	MS
	82109	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	16-Apr-2013 10:36 AM	17-Apr-2013 10:27 PM	SD
	82109	NA	74-1034-HL-SB10	SO	074SB-0012-0001-SO	240-22804-5		1/1	03-Apr-2013 12:31 PM	16-Apr-2013 10:36 AM	17-Apr-2013 10:57 PM	N
	82109	NA	74-1034-HL-SB8	SO	074SB-0026-0001-SO	240-22804-9		1/1	03-Apr-2013 11:34 AM	16-Apr-2013 10:36 AM	17-Apr-2013 11:28 PM	N
	82109	NA	74-1034-HL-SB14	SO	074SB-0027-0001-SO	240-22804-10		1/1	03-Apr-2013 12:05 PM	16-Apr-2013 10:36 AM	17-Apr-2013 11:58 PM	N

Test Method: SW6020; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
71214	69392	NA	LABQC	SQ	LABQC	MB 180-69392/1-A		1/1	17-Apr-2013 10:27 AM	17-Apr-2013 10:27 AM	07-May-2013 1:04 PM	LB
	69392	NA	LABQC	SQ	LABQC	LCS 180-69392/2-A		1/1	17-Apr-2013 10:27 AM	17-Apr-2013 10:27 AM	07-May-2013 1:13 PM	BS
	69392	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	17-Apr-2013 10:27 AM	07-May-2013 1:29 PM	N
	70060	NA	LABQC	WQ	LABQC	MB 180-70060/1-A		1/1	25-Apr-2013 9:51 AM	25-Apr-2013 9:51 AM	07-May-2013 2:43 PM	LB
	70060	NA	LABQC	WQ	LABQC	LCS 180-70060/2-A		1/1	25-Apr-2013 9:51 AM	25-Apr-2013 9:51 AM	07-May-2013 2:51 PM	BS
	70060	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	25-Apr-2013 9:51 AM	07-May-2013 2:59 PM	N
	70060	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	25-Apr-2013 9:51 AM	07-May-2013 3:15 PM	MS
	70060	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	25-Apr-2013 9:51 AM	07-May-2013 3:24 PM	SD

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Batch Report

Test Method: SW7470A; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
81255	80775	NA	LABQC	WQ	LABQC	MB 240-80775/1-A		1/1	05-Apr-2013 3:45 PM	05-Apr-2013 3:45 PM	09-Apr-2013 10:48 AM	LB
	80775	NA	LABQC	WQ	LABQC	LCS 240-80775/2-A		1/1	05-Apr-2013 3:45 PM	05-Apr-2013 3:45 PM	09-Apr-2013 10:49 AM	BS
	80775	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	05-Apr-2013 3:45 PM	09-Apr-2013 1:15 PM	N

Test Method: SW7471A; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
82912	82367	NA	LABQC	SQ	LABQC	MB 240-82367/1-A		1/1	17-Apr-2013 2:55 PM	17-Apr-2013 2:55 PM	19-Apr-2013 10:04 AM	LB
	82367	NA	LABQC	SQ	LABQC	LCS 240-82367/2-A		1/1	17-Apr-2013 2:55 PM	17-Apr-2013 2:55 PM	19-Apr-2013 10:06 AM	BS
	82367	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	17-Apr-2013 2:55 PM	19-Apr-2013 10:27 AM	N

Test Method: SW8081; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
82129	80943	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	08-Apr-2013 9:24 AM	16-Apr-2013 7:20 PM	N
	80943	NA	LABQC	WQ	LABQC	MB 240-80943/2-A		1/1	08-Apr-2013 9:24 AM	08-Apr-2013 9:24 AM	16-Apr-2013 7:40 PM	LB
	80943	NA	LABQC	WQ	LABQC	LCS 240-80943/3-A		1/1	08-Apr-2013 9:24 AM	08-Apr-2013 9:24 AM	16-Apr-2013 8:00 PM	BS
82685	81726	NA	LABQC	SQ	LABQC	MB 240-81726/21-A		1/1	12-Apr-2013 11:07 AM	12-Apr-2013 11:07 AM	19-Apr-2013 3:17 PM	LB
	81726	NA	LABQC	SQ	LABQC	LCS 240-81726/22-A		1/1	12-Apr-2013 11:07 AM	12-Apr-2013 11:07 AM	19-Apr-2013 3:37 PM	BS
82857	81726	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	12-Apr-2013 11:07 AM	20-Apr-2013 11:25 PM	N
83400	83135	NA	LABQC	SQ	LABQC	MB 240-83135/18-A		1/1	23-Apr-2013 8:54 AM	23-Apr-2013 8:54 AM	24-Apr-2013 9:54 PM	LB
	83135	NA	LABQC	SQ	LABQC	LCS 240-83135/19-A		1/1	23-Apr-2013 8:54 AM	23-Apr-2013 8:54 AM	24-Apr-2013 10:14 PM	BS

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Batch Report

Test Method: SW8081; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
83482	83135	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		2/1	03-Apr-2013 11:40 AM	23-Apr-2013 8:54 AM	25-Apr-2013 10:57 AM	N

Test Method: SW8082; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
81995	80942	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	08-Apr-2013 9:21 AM	15-Apr-2013 4:20 PM	N
	80942	NA	LABQC	WQ	LABQC	MB 240-80942/6-A		1/1	08-Apr-2013 9:21 AM	08-Apr-2013 9:21 AM	15-Apr-2013 5:07 PM	LB
	80942	NA	LABQC	WQ	LABQC	LCS 240-80942/7-A		1/1	08-Apr-2013 9:21 AM	08-Apr-2013 9:21 AM	15-Apr-2013 5:23 PM	BS
82363	81730	NA	LABQC	SQ	LABQC	MB 240-81730/20-A		1/1	12-Apr-2013 11:18 AM	12-Apr-2013 11:18 AM	18-Apr-2013 12:13 PM	LB
	81730	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	12-Apr-2013 11:18 AM	18-Apr-2013 2:34 PM	N
	81730	NA	LABQC	SQ	LABQC	LCS 240-81730/21-A		1/1	12-Apr-2013 11:18 AM	12-Apr-2013 11:18 AM	18-Apr-2013 3:05 PM	BS

Test Method: SW8260B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
80954	81012	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	04-Apr-2013 6:00 PM	08-Apr-2013 7:11 PM	N
81930	81012	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		2/1	03-Apr-2013 11:40 AM	04-Apr-2013 6:00 PM	15-Apr-2013 3:36 PM	N
80954	80943	NA	LABQC	SQ	LABQC	LCS 240-80954/6		1/1	08-Apr-2013 12:22 PM	08-Apr-2013 12:22 PM	08-Apr-2013 12:22 PM	BS
	80943	NA	LABQC	SQ	LABQC	MB 240-80954/7		1/1	08-Apr-2013 12:43 PM	08-Apr-2013 12:43 PM	08-Apr-2013 12:43 PM	LB
81013	81013	NA	LABQC	WQ	LABQC	LCS 240-81013/4		1/1	08-Apr-2013 12:50 PM	08-Apr-2013 12:50 PM	08-Apr-2013 12:50 PM	BS
	81013	NA	LABQC	WQ	LABQC	MB 240-81013/6		1/1	08-Apr-2013 1:34 PM	08-Apr-2013 1:34 PM	08-Apr-2013 1:34 PM	LB
	81013	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	08-Apr-2013 5:09 PM	08-Apr-2013 5:09 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Batch Report

Test Method: SW8260B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
81013	81013	NA	79-OSP-DU3-SW2	WG	079-0318-0001-TB	240-22804-12		1/1	03-Apr-2013 8:00 AM	08-Apr-2013 5:31 PM	08-Apr-2013 5:31 PM	N
81930	NA	NA	LABQC	SQ	LABQC	MB 240-81930/7		1/1	15-Apr-2013 1:05 PM	15-Apr-2013 1:05 PM	15-Apr-2013 1:05 PM	LB
	NA	NA	LABQC	SQ	LABQC	LCS 240-81930/35		1/1	15-Apr-2013 1:05 PM	15-Apr-2013 1:05 PM	15-Apr-2013 1:26 PM	BS
	NA	NA	LABQC	SQ	LABQC	LCS 240-81930/35		1/1	15-Apr-2013 1:26 PM	15-Apr-2013 1:26 PM	15-Apr-2013 1:26 PM	BS

Test Method: SW8270C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
82293	81130	NA	LABQC	WQ	LABQC	MB 240-81130/22-A		1/1	09-Apr-2013 10:13 AM	09-Apr-2013 10:13 AM	17-Apr-2013 11:13 AM	LB
	81130	NA	LABQC	WQ	LABQC	LCS 240-81130/23-A		1/1	09-Apr-2013 10:13 AM	09-Apr-2013 10:13 AM	17-Apr-2013 11:36 AM	BS
	81130	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	09-Apr-2013 10:13 AM	17-Apr-2013 2:21 PM	N
82940	81948	NA	LABQC	SQ	LABQC	MB 240-81948/23-A		1/1	15-Apr-2013 11:33 AM	15-Apr-2013 11:33 AM	22-Apr-2013 10:27 AM	LB
	81948	NA	LABQC	SQ	LABQC	LCS 240-81948/24-A		1/1	15-Apr-2013 11:33 AM	15-Apr-2013 11:33 AM	22-Apr-2013 10:53 AM	BS
83126	81948	NA	74-1034-HL-SB11	SO	074SB-0015-0001-SO	240-22804-3		1/1	03-Apr-2013 5:40 PM	15-Apr-2013 11:33 AM	23-Apr-2013 2:35 PM	N
	81948	NA	74-1034-HL-SB11	SO	074SB-0013-0001-SO	240-22804-2		1/1	02-Apr-2013 5:37 PM	15-Apr-2013 11:33 AM	23-Apr-2013 3:01 PM	N
	81948	NA	74-1034-HL-SB14	SO	074SB-0027-0001-SO	240-22804-10		1/1	03-Apr-2013 12:05 PM	15-Apr-2013 11:33 AM	23-Apr-2013 3:53 PM	N
	81948	NA	74-1034-HL-SB13	SO	074SB-0024-0001-SO	240-22804-7		1/1	02-Apr-2013 4:50 PM	15-Apr-2013 11:33 AM	23-Apr-2013 4:44 PM	N
	81948	NA	74-1034-HL-SB11	SO	074SB-0025-0001-SO	240-22804-8		1/1	02-Apr-2013 5:35 PM	15-Apr-2013 11:33 AM	23-Apr-2013 5:10 PM	N
	81948	NA	74-1034-HL-SB8	SO	074SB-0026-0001-SO	240-22804-9		1/1	03-Apr-2013 11:34 AM	15-Apr-2013 11:33 AM	23-Apr-2013 5:36 PM	N
	81948	NA	74-1034-HL-SB12	SO	074SB-0023-0001-SO	240-22804-6		1/5	02-Apr-2013 4:25 PM	15-Apr-2013 11:33 AM	23-Apr-2013 6:01 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Batch Report

Test Method: SW8270C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
82940	81948	NA	LABQC	SQ	LABQC	MB 240-81948/23-A		1/1	15-Apr-2013 1:26 PM	15-Apr-2013 1:26 PM	22-Apr-2013 10:27 AM	LB
83882	83486	NA	LABQC	SQ	LABQC	MB 240-83486/23-A		1/1	25-Apr-2013 8:16 AM	25-Apr-2013 8:16 AM	28-Apr-2013 4:55 PM	LB
	83486	NA	LABQC	SQ	LABQC	LCS 240-83486/24-A		1/1	25-Apr-2013 8:16 AM	25-Apr-2013 8:16 AM	28-Apr-2013 5:21 PM	BS
	83486	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	25-Apr-2013 8:16 AM	28-Apr-2013 7:05 PM	N
	83486	NA	74-1034-HL-SB10	SO	074SB-0012-0001-SO	240-22804-5		1/1	03-Apr-2013 12:31 PM	25-Apr-2013 8:16 AM	28-Apr-2013 7:31 PM	N

Test Method: SW8330B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
13918	13805	NA	LABQC	WQ	LABQC	MB 320-13805/1-A		1/1	08-Apr-2013 10:17 AM	08-Apr-2013 10:17 AM	10-Apr-2013 3:51 AM	LB
	13805	NA	LABQC	WQ	LABQC	LCS 320-13805/2-A		1/1	08-Apr-2013 10:17 AM	08-Apr-2013 10:17 AM	10-Apr-2013 4:08 AM	BS
	13805	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		1/1	03-Apr-2013 3:00 PM	08-Apr-2013 10:17 AM	10-Apr-2013 5:55 AM	N
15252	13819	NA	LABQC	WQ	LABQC	MB 320-13819/1-A		1/1	08-Apr-2013 11:28 AM	08-Apr-2013 11:28 AM	29-Apr-2013 4:21 PM	LB
	13819	NA	LABQC	WQ	LABQC	LCS 320-13819/2-A		1/1	08-Apr-2013 11:28 AM	08-Apr-2013 11:28 AM	29-Apr-2013 5:05 PM	BS
	13819	NA	79-OSP-DU3-SW1	WS	079RN-0317-0001-RN	240-22804-11		2/1	03-Apr-2013 3:00 PM	08-Apr-2013 11:28 AM	29-Apr-2013 5:48 PM	N
14412	13877	NA	LABQC	SQ	LABQC	MB 320-13877/1-A		1/1	09-Apr-2013 9:33 AM	09-Apr-2013 9:33 AM	19-Apr-2013 9:49 AM	LB
	13877	NA	LABQC	SQ	LABQC	LCS 320-13877/2-A		1/1	09-Apr-2013 9:33 AM	09-Apr-2013 9:33 AM	19-Apr-2013 11:43 AM	BS
	13877	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		2/1	03-Apr-2013 11:40 AM	09-Apr-2013 9:33 AM	19-Apr-2013 8:18 PM	N
14998	13877	NA	LABQC	SQ	LABQC	MB 320-13877/1-A		2/1	09-Apr-2013 9:33 AM	09-Apr-2013 9:33 AM	26-Apr-2013 10:34 AM	LB
	13877	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		3/1	03-Apr-2013 11:40 AM	09-Apr-2013 9:33 AM	26-Apr-2013 6:17 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Batch Report

Test Method: SW8330B; Leach Method: NONE											
Analytical Batch	**Prep Batch**	**Leach Batch**	**Location**	**Matrix**	**Field Sample ID**	**Lab Sample ID**	**Calibration Ref**	**Run#/ Dil'n**	**Collection Date/Time**	**Extract Date/Time**	**Analysis Date/Time**	**Sample Type**
14120	13885	NA	LABQC	SQ	LABQC	MB 320-13885/1-A		1/1	09-Apr-2013 10:24 AM	09-Apr-2013 10:24 AM	11-Apr-2013 4:18 PM	LB
	13885	NA	LABQC	SQ	LABQC	LCS 320-13885/2-A		1/1	09-Apr-2013 10:24 AM	09-Apr-2013 10:24 AM	11-Apr-2013 4:36 PM	BS
	13885	NA	74-1034-HL-SB8	SO	074SB-0010-0001-SO	240-22804-4		1/1	03-Apr-2013 11:40 AM	09-Apr-2013 10:24 AM	11-Apr-2013 7:34 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Field Batch Report

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6020 / SW3050B/NONE	Blank	MB 180-69392/1-A (LB) / MB 180-69392/1-A	1 / 1.00	Barium	0.018 (MG/KG)	U/None	< 0.011	< 1	L		1	0.0175
SW6020 / SW3050B/NONE	Blank	MB 180-69392/1-A (LB) / MB 180-69392/1-A	1 / 1.00	Cadmium	0.015 (MG/KG)	U/None	< 0.013	< 0.1	L		1	0.0149
SW6020 / SW3050B/NONE	Blank	MB 180-69392/1-A (LB) / MB 180-69392/1-A	1 / 1.00	Calcium	2.5 (MG/KG)	U/None	< 1.3	< 10	L		1	2.53
SW6020 / SW3050B/NONE	Blank	MB 180-69392/1-A (LB) / MB 180-69392/1-A	1 / 1.00	Iron	1.2 (MG/KG)	U/None	< 1.1	< 5	L		1	1.17
SW6020 / SW3050B/NONE	Blank	MB 180-69392/1-A (LB) / MB 180-69392/1-A	1 / 1.00	Manganese	0.020 (MG/KG)	U/None	< 0.016	< 0.5	L		1	0.0198
SW6020 / TOTAL/NONE	Blank	MB 180-70060/1-A (LB) / MB 180-70060/1-A	1 / 1.00	Lead	0.41 (UG/L)	U/None	< 0.15	< 1	L		1	0.408
SW8260B / SW5035/NONE	Blank	MB 240-81930/7 (LB) / MB 240-81930/7	1 / 1.00	Acetone	7.1 (UG/KG)	U/None	< 6.3	< 20	L		2	14.2
SW8260B / SW5035/NONE	Surrogate	074SB-0010-0001-SO (N) / 240-22804-4	1 / 1.00	1-Bromo-4-fluorobenzene (4-Bromofluorobenzene)	34.6 (PERCENT)	J/UJ	85 - 120	10 - 120	I			
SW8260B / SW5035/NONE	Surrogate	074SB-0010-0001-SO (N) / 240-22804-4	1 / 1.00	Toluene-d8	54.0 (PERCENT)	J/UJ	85 - 115	10 - 115	I			
SW8270C / SW3550/NONE	Blank	MB 240-83486/23-A (LB) / MB 240-83486/23-A	1 / 1.00	Di-n-Butyl Phthalate	24.5 (UG/KG)	U/None	< 15	< 70	L		1	24.5
SW8270C / SW3550	Prep Hold Time	074SB-0010-0001-SO (N) / 240-22804-4	1 / 1.00	All in Run	21.9 (Days)	J/UJ	< 14	< 28	H2	Prep Exceeds UWL		
SW8270C / SW3550	Prep Hold Time	074SB-0012-0001-SO (N) / 240-22804-5	1 / 1.00	All in Run	21.8 (Days)	J/UJ	< 14	< 28	H2	Prep Exceeds UWL		
SW8330B / METHOD/NONE	Blank	MB 320-13877/1-A (LB) / MB 320-13877/1-A	2 / 1.00	Tetryl	0.011 (MG/KG)	U/None	< 0.01	< 0.25	L		1	0.0111

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Selenium	0.59	0.26	0.26 J		MG/KG	TR
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Silver	0.12	0.037	0.037 J		MG/KG	TR
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Aluminum	30.0	4.5	30.0 U	+	UG/L	B2
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Calcium	100	23.0	100 U	+	UG/L	B2
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Cobalt	0.50	0.082	0.50 U	+	UG/L	B2
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Copper	2.0	0.41	0.41 J		UG/L	TR
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Lead	1.0	0.59	1.0 U	+	UG/L	B2
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Manganese	5.0	0.74	5.0 U	+	UG/L	B2
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Sodium	100	65.0	65.0 J		UG/L	TR
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Zinc	5.0	3.2	3.2 J		UG/L	TR
Test Leach	**Matrix**	**FieldSample ID**	**LabSample ID**	**Type**	**Analyte**	**RL**	**Lab Result**	**Qualified Result**	**Bias**	**Units**	**Reason**
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Aldrin	4.7	4.7	4.7 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	alpha-BHC (alpha-Hexachlorocyclohexane)	2.9	2.9	2.9 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	alpha-Chlordane	3.5	3.5	3.5 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	alpha-Endosulfan	2.0	2.0	2.0 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	beta-BHC (beta-Hexachlorocyclohexane)	4.1	4.1	4.1 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	beta-Endosulfan	2.9	2.9	2.9 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	delta-BHC (delta-Hexachlorocyclohexane)	4.7	4.7	4.7 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Dieldrin	2.0	2.0	2.0 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Endosulfan Sulfate	3.5	3.5	3.5 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Endrin	2.0	2.0	2.0 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Endrin Aldehyde	3.5	3.5	3.5 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Endrin Ketone	2.4	2.4	2.4 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	gamma-BHC (Lindane)	2.9	2.9	2.9 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	gamma-Chlordane	2.0	2.0	2.0 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Heptachlor	4.1	4.1	4.1 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Heptachlor Epoxide	2.9	2.9	2.9 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Methoxychlor	5.9	5.9	5.9 UJ		UG/KG	h/V2

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	p,p'-DDD	2.4	2.4	2.4 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	p,p'-DDE	2.0	2.0	2.0 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	p,p'-DDT	2.4	2.4	2.4 UJ		UG/KG	h
SW8081/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Toxaphene	79.0	79.0	79.0 UJ		UG/KG	h/V1
SW8081/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Methoxychlor	0.10	0.10	0.10 UJ		UG/L	V2
SW8081/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Toxaphene	2.0	2.0	2.0 UJ		UG/L	V1
Test Leach	**Matrix**	**FieldSample ID**	**LabSample ID**	**Type**	**Analyte**	**RL**	**Lab Result**	**Qualified Result**	**Bias**	**Units**	**Reason**
SW8260B/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2-Butanone (MEK)	19.0	19.0	19.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2-Hexanone	19.0	19.0	19.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	4-Methyl-2-pentanone (MIBK)	19.0	19.0	19.0 UJ	-	UG/KG	I
SW8260B/NONE	WG	079-0318-0001-TB	240-22804-12	N	Acetone	10.0	5.1	5.1 J		UG/L	TR/J
SW8260B/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Acetone	10.0	10.0	10.0 UJ		UG/L	J
SW8260B/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Chloroform	1.0	0.34	0.34 J		UG/L	TR
Test Leach	**Matrix**	**FieldSample ID**	**LabSample ID**	**Type**	**Analyte**	**RL**	**Lab Result**	**Qualified Result**	**Bias**	**Units**	**Reason**
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	1,2,4-Trichlorobenzene	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	1,2-Dichlorobenzene	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	1,3-Dichlorobenzene	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	1,4-Dichlorobenzene	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2,4,5-Trichlorophenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2,4,6-Trichlorophenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2,4-Dichlorophenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2,4-Dimethylphenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2,4-Dinitrophenol	390	390	390 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2,4-Dinitrotoluene	230	230	230 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2,6-Dinitrotoluene	230	230	230 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2-Chloronaphthalene	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2-Chlorophenol	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2-Methylnaphthalene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2-Methylphenol (o-Cresol)	230	230	230 UJ	-	UG/KG	H2

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2-Nitroaniline	230	230	230 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	2-Nitrophenol	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	3,3'-Dichlorobenzidine	120	120	120 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	3-Nitroaniline	230	230	230 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	4,6-Dinitro-2-Methylphenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	4-Bromophenyl phenyl ether	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	4-Chloro-3-Methylphenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	4-Chloroaniline	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	4-Chlorophenyl Phenyl Ether	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	4-Nitroaniline	230	230	230 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	4-Nitrophenol	390	390	390 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Acenaphthene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Acenaphthylene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Anthracene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Benzo(a)anthracene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Benzo(a)pyrene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Benzo(b)fluoranthene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Benzo(g,h,i)perylene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Benzo(k)fluoranthene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Benzoic acid	770	770	770 R	-	UG/KG	H2/c
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Benzyl alcohol	390	390	390 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Benzyl butyl phthalate	82.0	82.0	82.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	bis(2-Chloroethoxy) Methane	120	120	120 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	120	120	120 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	bis(2-Chloroisopropyl) Ether	120	120	120 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	bis(2-Ethylhexyl) Phthalate	82.0	120	120 J	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Carbazole	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Chrysene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Cresols, m & p	470	470	470 UJ	-	UG/KG	H2

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Dibenz(a,h)anthracene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Dibenzofuran	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Diethyl Phthalate	82.0	82.0	82.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Dimethyl Phthalate	82.0	82.0	82.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Di-n-Butyl Phthalate	82.0	82.0	82.0 UJ		UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Di-n-Octylphthalate	82.0	82.0	82.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Fluoranthene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Fluorene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Hexachlorobenzene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Hexachlorobutadiene	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Hexachlorocyclopentadiene	390	390	390 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Hexachloroethane	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Indeno(1,2,3-c,d)pyrene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Isophorone	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Naphthalene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Nitrobenzene	120	120	120 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	n-Nitrosodi-n-propylamine	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	n-Nitrosodiphenylamine	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Pentachlorophenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Phenanthrene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Phenol	58.0	58.0	58.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Pyrene	7.8	7.8	7.8 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	1,2,4-Trichlorobenzene	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	1,2-Dichlorobenzene	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	1,3-Dichlorobenzene	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	1,4-Dichlorobenzene	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2,4,5-Trichlorophenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2,4,6-Trichlorophenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2,4-Dichlorophenol	180	180	180 UJ	-	UG/KG	H2

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2,4-Dimethylphenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2,4-Dinitrophenol	400	400	400 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2,4-Dinitrotoluene	240	240	240 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2,6-Dinitrotoluene	240	240	240 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2-Chloronaphthalene	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2-Chlorophenol	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2-Methylnaphthalene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2-Methylphenol (o-Cresol)	240	240	240 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2-Nitroaniline	240	240	240 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	2-Nitrophenol	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	3,3'-Dichlorobenzidine	120	120	120 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	3-Nitroaniline	240	240	240 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	4,6-Dinitro-2-Methylphenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	4-Bromophenyl phenyl ether	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	4-Chloro-3-Methylphenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	4-Chloroaniline	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	4-Chlorophenyl Phenyl Ether	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	4-Nitroaniline	240	240	240 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	4-Nitrophenol	400	400	400 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Acenaphthene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Acenaphthylene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Anthracene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Benzo(a)anthracene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Benzo(a)pyrene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Benzo(b)fluoranthene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Benzo(g,h,i)perylene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Benzo(k)fluoranthene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Benzoic acid	790	790	790 R	-	UG/KG	H2/c
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Benzyl alcohol	400	400	400 UJ	-	UG/KG	H2

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Benzyl butyl phthalate	84.0	84.0	84.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	bis(2-Chloroethoxy) Methane	120	120	120 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	120	120	120 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	bis(2-Chloroisopropyl) Ether	120	120	120 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	bis(2-Ethylhexyl) Phthalate	84.0	49.0	49.0 J	-	UG/KG	H2/TR
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Carbazole	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Chrysene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Cresols, m & p	480	480	480 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Dibenz(a,h)anthracene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Dibenzofuran	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Diethyl Phthalate	84.0	84.0	84.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Dimethyl Phthalate	84.0	84.0	84.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Di-n-Butyl Phthalate	84.0	31.0	84.0 U		UG/KG	L/H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Di-n-Octylphthalate	84.0	84.0	84.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Fluoranthene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Fluorene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Hexachlorobenzene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Hexachlorobutadiene	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Hexachlorocyclopentadiene	400	400	400 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Hexachloroethane	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Indeno(1,2,3-c,d)pyrene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Isophorone	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Naphthalene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Nitrobenzene	120	120	120 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	n-Nitrosodi-n-propylamine	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	n-Nitrosodiphenylamine	60.0	60.0	60.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Pentachlorophenol	180	180	180 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Phenanthrene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Phenol	60.0	60.0	60.0 UJ	-	UG/KG	H2

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	Pyrene	8.0	8.0	8.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	074SB-0013-0001-SO	240-22804-2	N	2,4-Dinitrophenol	390	390	390 UJ		UG/KG	J
SW8270C/NONE	SO	074SB-0013-0001-SO	240-22804-2	N	Benzoic acid	780	780	780 R		UG/KG	c
SW8270C/NONE	SO	074SB-0013-0001-SO	240-22804-2	N	bis(2-Ethylhexyl) Phthalate	83.0	23.0	23.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0013-0001-SO	240-22804-2	N	Di-n-Butyl Phthalate	83.0	34.0	34.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0015-0001-SO	240-22804-3	N	2,4-Dinitrophenol	390	390	390 UJ		UG/KG	J
SW8270C/NONE	SO	074SB-0015-0001-SO	240-22804-3	N	Benzoic acid	780	780	780 R		UG/KG	c
SW8270C/NONE	SO	074SB-0015-0001-SO	240-22804-3	N	Di-n-Butyl Phthalate	83.0	30.0	30.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0015-0001-SO	240-22804-3	N	Fluoranthene	7.9	7.3	7.3 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0015-0001-SO	240-22804-3	N	Pyrene	7.9	4.0	4.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	2,4-Dinitrophenol	2000	2000	2000 UJ		UG/KG	J
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Benzoic acid	4100	4100	4100 R		UG/KG	c
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Dibenzofuran	310	56.0	56.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	2,4-Dinitrophenol	390	390	390 UJ		UG/KG	J
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	2-Methylnaphthalene	7.9	5.5	5.5 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Benzoic acid	780	780	780 R		UG/KG	c
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	bis(2-Ethylhexyl) Phthalate	83.0	66.0	66.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Di-n-Butyl Phthalate	83.0	34.0	34.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Naphthalene	7.9	6.3	6.3 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	2,4-Dinitrophenol	420	420	420 UJ		UG/KG	J
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Benzoic acid	830	830	830 R		UG/KG	c
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	bis(2-Ethylhexyl) Phthalate	88.0	34.0	34.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Carbazole	63.0	35.0	35.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Di-n-Butyl Phthalate	88.0	33.0	33.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	2,4-Dinitrophenol	420	420	420 UJ		UG/KG	J
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Benzoic acid	830	830	830 R		UG/KG	c
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	bis(2-Ethylhexyl) Phthalate	88.0	46.0	46.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Dibenzofuran	63.0	34.0	34.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Di-n-Butyl Phthalate	88.0	34.0	34.0 J		UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	074SB-0027-0001-SO	240-22804-10	N	2,4-Dinitrophenol	390	390	390 UJ		UG/KG	J
SW8270C/NONE	SO	074SB-0027-0001-SO	240-22804-10	N	Benzoic acid	780	780	780 R		UG/KG	c
SW8270C/NONE	SO	074SB-0027-0001-SO	240-22804-10	N	bis(2-Ethylhexyl) Phthalate	82.0	26.0	26.0 J		UG/KG	TR
SW8270C/NONE	SO	074SB-0027-0001-SO	240-22804-10	N	Di-n-Butyl Phthalate	82.0	33.0	33.0 J		UG/KG	TR
SW8270C/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Benzoic acid	26.0	26.0	26.0 R		UG/L	c
SW8270C/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Benzyl alcohol	5.3	5.3	5.3 UJ		UG/L	J
SW8270C/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Hexachloroethane	1.1	1.1	1.1 UJ		UG/L	J

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
M8015D/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	C10-C20 Diesel Range Organics	21.0	56.0	56.0	MG/KG	
M8015D/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	C20-C34 Motor Oil Range Organics	21.0	220	220	MG/KG	
M8015D/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	C10-C20 Diesel Range Organics	21.0	210	210	MG/KG	
M8015D/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	C20-C34 Motor Oil Range Organics	21.0	230	230	MG/KG	
M8015D/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	C20-C34 Motor Oil Range Organics	21.0	54.0	54.0	MG/KG	

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Silver	0.12	0.037	0.037 J	MG/KG	TR
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Aluminum	3.5	12000	12000	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Arsenic	0.12	8.2	8.2	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Barium	1.2	67.0	67.0	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Beryllium	0.12	0.60	0.60	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Calcium	12.0	32000	32000	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Cadmium	0.12	0.20	0.20	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Cobalt	0.059	12.0	12.0	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Chromium	0.24	19.0	19.0	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Copper	0.24	18.0	18.0	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Iron	5.9	24000	24000	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Potassium	12.0	2200	2200	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Magnesium	12.0	8000	8000	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Manganese	0.59	350	350	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Sodium	12.0	120	120	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Nickel	0.12	28.0	28.0	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Lead	0.12	11.0	11.0	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Selenium	0.59	0.26	0.26 J	MG/KG	TR
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Thallium	0.12	0.19	0.19	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Vanadium	0.12	20.0	20.0	MG/KG	
SW6020/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	Zinc	0.59	52.0	52.0	MG/KG	
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Chromium	2.0	3.2	3.2	UG/L	

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Copper	2.0	0.41	0.41 J	UG/L	TR
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Sodium	100	65.0	65.0 J	UG/L	TR
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Nickel	1.0	5.9	5.9	UG/L	
SW6020/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Zinc	5.0	3.2	3.2 J	UG/L	TR

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8260B/NONE	WG	079-0318-0001-TB	240-22804-12	N	Acetone	10.0	5.1	5.1 J	UG/L	TR/J
SW8260B/NONE	WG	079-0318-0001-TB	240-22804-12	N	Methylene Chloride	1.0	1.1	1.1	UG/L	
SW8260B/NONE	WS	079RN-0317-0001-RN	240-22804-11	N	Chloroform	1.0	0.34	0.34 J	UG/L	TR

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	074SB-0010-0001-SO	240-22804-4	N	bis(2-Ethylhexyl) Phthalate	82.0	120	120 J -	UG/KG	H2
SW8270C/NONE	SO	074SB-0012-0001-SO	240-22804-5	N	bis(2-Ethylhexyl) Phthalate	84.0	49.0	49.0 J -	UG/KG	H2/TR
SW8270C/NONE	SO	074SB-0013-0001-SO	240-22804-2	N	bis(2-Ethylhexyl) Phthalate	83.0	23.0	23.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0013-0001-SO	240-22804-2	N	Di-n-Butyl Phthalate	83.0	34.0	34.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0015-0001-SO	240-22804-3	N	Di-n-Butyl Phthalate	83.0	30.0	30.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0015-0001-SO	240-22804-3	N	Fluoranthene	7.9	7.3	7.3 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0015-0001-SO	240-22804-3	N	2-Methylnaphthalene	7.9	15.0	15.0	UG/KG	
SW8270C/NONE	SO	074SB-0015-0001-SO	240-22804-3	N	Naphthalene	7.9	11.0	11.0	UG/KG	
SW8270C/NONE	SO	074SB-0015-0001-SO	240-22804-3	N	Pyrene	7.9	4.0	4.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Acenaphthene	41.0	85.0	85.0	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Anthracene	41.0	160	160	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Benzo(a)anthracene	41.0	260	260	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Benzo(a)pyrene	41.0	180	180	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Benzo(b)fluoranthene	41.0	260	260	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Benzo(g,h,i)perylene	41.0	120	120	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Benzo(k)fluoranthene	41.0	87.0	87.0	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Chrysene	41.0	330	330	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Dibenzofuran	310	56.0	56.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Fluorene	41.0	90.0	90.0	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Fluoranthene	41.0	670	670	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Indeno(1,2,3-c,d)pyrene	41.0	96.0	96.0	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Phenanthrene	41.0	330	330	UG/KG	
SW8270C/NONE	SO	074SB-0023-0001-SO	240-22804-6	N	Pyrene	41.0	570	570	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Acenaphthene	7.9	8.7	8.7	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Anthracene	7.9	12.0	12.0	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	bis(2-Ethylhexyl) Phthalate	83.0	66.0	66.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Benzo(a)anthracene	7.9	48.0	48.0	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Benzo(a)pyrene	7.9	39.0	39.0	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Benzo(b)fluoranthene	7.9	60.0	60.0	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Benzo(g,h,i)perylene	7.9	34.0	34.0	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Benzo(k)fluoranthene	7.9	22.0	22.0	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Chrysene	7.9	49.0	49.0	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Di-n-Butyl Phthalate	83.0	34.0	34.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Fluorene	7.9	13.0	13.0	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Fluoranthene	7.9	100	100	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Indeno(1,2,3-c,d)pyrene	7.9	26.0	26.0	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	2-Methylnaphthalene	7.9	5.5	5.5 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Naphthalene	7.9	6.3	6.3 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Phenanthrene	7.9	61.0	61.0	UG/KG	
SW8270C/NONE	SO	074SB-0024-0001-SO	240-22804-7	N	Pyrene	7.9	86.0	86.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Acenaphthene	8.4	51.0	51.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Acenaphthylene	8.4	9.9	9.9	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Anthracene	8.4	90.0	90.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	bis(2-Ethylhexyl) Phthalate	88.0	34.0	34.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Benzo(a)anthracene	8.4	110	110	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Benzo(a)pyrene	8.4	100	100	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Benzo(b)fluoranthene	8.4	150	150	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Benzo(g,h,i)perylene	8.4	80.0	80.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Benzo(k)fluoranthene	8.4	55.0	55.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Carbazole	63.0	35.0	35.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Chrysene	8.4	120	120	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Dibenz(a,h)anthracene	8.4	20.0	20.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Dibenzofuran	63.0	78.0	78.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Di-n-Butyl Phthalate	88.0	33.0	33.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Fluorene	8.4	93.0	93.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Fluoranthene	8.4	310	310	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Indeno(1,2,3-c,d)pyrene	8.4	66.0	66.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	2-Methylnaphthalene	8.4	51.0	51.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Naphthalene	8.4	30.0	30.0	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Phenanthrene	8.4	170	170	UG/KG	
SW8270C/NONE	SO	074SB-0025-0001-SO	240-22804-8	N	Pyrene	8.4	270	270	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Acenaphthene	8.4	21.0	21.0	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Anthracene	8.4	48.0	48.0	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	bis(2-Ethylhexyl) Phthalate	88.0	46.0	46.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Benzo(a)anthracene	8.4	98.0	98.0	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Benzo(a)pyrene	8.4	74.0	74.0	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Benzo(b)fluoranthene	8.4	130	130	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Benzo(g,h,i)perylene	8.4	63.0	63.0	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Benzo(k)fluoranthene	8.4	35.0	35.0	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Chrysene	8.4	110	110	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Dibenzofuran	63.0	34.0	34.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Di-n-Butyl Phthalate	88.0	34.0	34.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Fluorene	8.4	46.0	46.0	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Fluoranthene	8.4	280	280	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Indeno(1,2,3-c,d)pyrene	8.4	53.0	53.0	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	2-Methylnaphthalene	8.4	9.7	9.7	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Naphthalene	8.4	10.0	10.0	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Phenanthrene	8.4	79.0	79.0	UG/KG	
SW8270C/NONE	SO	074SB-0026-0001-SO	240-22804-9	N	Pyrene	8.4	240	240	UG/KG	
SW8270C/NONE	SO	074SB-0027-0001-SO	240-22804-10	N	bis(2-Ethylhexyl) Phthalate	82.0	26.0	26.0 J	UG/KG	TR
SW8270C/NONE	SO	074SB-0027-0001-SO	240-22804-10	N	Di-n-Butyl Phthalate	82.0	33.0	33.0 J	UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Rejected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	074SB-0010-0001-SO	N	Benzoic acid	770	770	R	UG/KG	H2/c
SW8270C/NONE	SO	074SB-0012-0001-SO	N	Benzoic acid	790	790	R	UG/KG	H2/c
SW8270C/NONE	SO	074SB-0013-0001-SO	N	Benzoic acid	780	780	R	UG/KG	c
SW8270C/NONE	SO	074SB-0015-0001-SO	N	Benzoic acid	780	780	R	UG/KG	c
SW8270C/NONE	SO	074SB-0023-0001-SO	N	Benzoic acid	4100	4100	R	UG/KG	c
SW8270C/NONE	SO	074SB-0024-0001-SO	N	Benzoic acid	780	780	R	UG/KG	c
SW8270C/NONE	SO	074SB-0025-0001-SO	N	Benzoic acid	830	830	R	UG/KG	c
SW8270C/NONE	SO	074SB-0026-0001-SO	N	Benzoic acid	830	830	R	UG/KG	c
SW8270C/NONE	SO	074SB-0027-0001-SO	N	Benzoic acid	780	780	R	UG/KG	c
SW8270C/NONE	WS	079RN-0317-0001-RN	N	Benzoic acid	26.0	26.0	R	UG/L	c

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Anomalies Count

SDG Name: 240-22804-1_74,79,SB,RN

Test/Extraction Method/Leach	# of Field Samples Outside of Compliance	# of Analytes Outside of Compliance
E353.2/METHOD/NONE	1	1
M8015D/SW3540C/NONE	9	18
SW6020/SW3050B/NONE	1	6
SW7471A/TOTAL/NONE	1	1
SW8081/SW3520C/NONE	1	5
SW8082/SW3520C/NONE	1	7
SW8260B/SW5035/NONE	1	1
SW8270C/SW3510/NONE	1	16
SW8330B/METHOD/NONE	1	6

Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Reporting Anomalies

SDG Name: 240-22804-1_74,79,SB,RN

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
E353.2/NONE	074SB-0010-0001-SO	N	1	Nitrocellulose	5.9 U	0.92	5.9	5	MG/KG

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
M8015D/NONE	074SB-0010-0001-SO	N	1	C10-C20 Diesel Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0010-0001-SO	N	1	C20-C34 Motor Oil Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0012-0001-SO	N	1	C10-C20 Diesel Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0012-0001-SO	N	1	C20-C34 Motor Oil Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0013-0001-SO	N	1	C10-C20 Diesel Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0013-0001-SO	N	1	C20-C34 Motor Oil Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0015-0001-SO	N	1	C10-C20 Diesel Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0015-0001-SO	N	1	C20-C34 Motor Oil Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0023-0001-SO	N	1	C10-C20 Diesel Range Organics	56	12	21	10	MG/KG
M8015D/NONE	074SB-0023-0001-SO	N	1	C20-C34 Motor Oil Range Organics	220	12	21	10	MG/KG
M8015D/NONE	074SB-0024-0001-SO	N	1	C10-C20 Diesel Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0024-0001-SO	N	1	C20-C34 Motor Oil Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0025-0001-SO	N	1	C10-C20 Diesel Range Organics	210	12	21	10	MG/KG
M8015D/NONE	074SB-0025-0001-SO	N	1	C20-C34 Motor Oil Range Organics	230	12	21	10	MG/KG
M8015D/NONE	074SB-0026-0001-SO	N	1	C10-C20 Diesel Range Organics	21 U	12	21	10	MG/KG
M8015D/NONE	074SB-0026-0001-SO	N	1	C20-C34 Motor Oil Range Organics	54	12	21	10	MG/KG
M8015D/NONE	074SB-0027-0001-SO	N	1	C10-C20 Diesel Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	074SB-0027-0001-SO	N	1	C20-C34 Motor Oil Range Organics	20 U	11	20	10	MG/KG
M8015D/NONE	079RN-0317-0001-RN	N	1	C10-C20 Diesel Range Organics	500 U	240	500	0.5	UG/L
M8015D/NONE	079RN-0317-0001-RN	N	1	C20-C34 Motor Oil Range Organics	500 U	240	500	0.5	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW6020/NONE	074SB-0010-0001-SO	N	1	Barium	67	0.013	1.2	1	MG/KG
SW6020/NONE	074SB-0010-0001-SO	N	1	Beryllium	0.6	0.0088	0.12	0.1	MG/KG
SW6020/NONE	074SB-0010-0001-SO	N	1	Cadmium	0.2	0.016	0.12	0.1	MG/KG
SW6020/NONE	074SB-0010-0001-SO	N	1	Calcium	32000	1.6	12	10	MG/KG
SW6020/NONE	074SB-0010-0001-SO	N	1	Magnesium	8000	1.3	12	10	MG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Reporting Anomalies

SDG Name: 240-22804-1_74,79,SB,RN

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW6020/NONE	074SB-0010-0001-SO	N	1	Selenium	0.26 J	0.06	0.59	0.5	MG/KG
SW6020/NONE	079RN-0317-0001-RN	N	1	Cadmium	1 U	0.13	1	0.5	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW7471A/NONE	074SB-0010-0001-SO	N	1	Mercury	0.12 U	0.017	0.12	0.1	MG/KG

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8081/NONE	074SB-0010-0001-SO	N	1	Aldrin	4.7 UJ	1.4	4.7	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	alpha-BHC (alpha-Hexachlorocyclohexane)	2.9 UJ	0.86	2.9	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	alpha-Chlordane	3.5 UJ	1.1	3.5	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	alpha-Endosulfan	2 UJ	0.61	2	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	beta-BHC (beta-Hexachlorocyclohexane)	4.1 UJ	1.3	4.1	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	beta-Endosulfan	2.9 UJ	0.97	2.9	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	delta-BHC (delta-Hexachlorocyclohexane)	4.7 UJ	1.4	4.7	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	Dieldrin	2 UJ	0.55	2	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	Endosulfan Sulfate	3.5 UJ	1	3.5	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	Endrin	2 UJ	0.59	2	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	Endrin Aldehyde	3.5 UJ	1.2	3.5	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	Endrin Ketone	2.4 UJ	0.74	2.4	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	gamma-BHC (Lindane)	2.9 UJ	0.87	2.9	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	gamma-Chlordane	2 UJ	0.49	2	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	Heptachlor	4.1 UJ	1.3	4.1	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	Heptachlor Epoxide	2.9 UJ	0.94	2.9	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	Methoxychlor	5.9 UJ	1.8	5.9	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	p,p'-DDD	2.4 UJ	0.73	2.4	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	p,p'-DDE	2 UJ	0.46	2	1.7	UG/KG
SW8081/NONE	074SB-0010-0001-SO	N	1	p,p'-DDT	2.4 UJ	0.74	2.4	1.7	UG/KG
SW8081/NONE	079RN-0317-0001-RN	N	1	Aldrin	0.05 U	0.0082	0.05	0.03	UG/L
SW8081/NONE	079RN-0317-0001-RN	N	1	alpha-BHC (alpha-Hexachlorocyclohexane)	0.05 U	0.007	0.05	0.03	UG/L
SW8081/NONE	079RN-0317-0001-RN	N	1	Dieldrin	0.05 U	0.0075	0.05	0.03	UG/L

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AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Reporting Anomalies

SDG Name: 240-22804-1_74,79,SB,RN

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8081/NONE	079RN-0317-0001-RN	N	1	Heptachlor	0.05 U	0.008	0.05	0.03	UG/L
SW8081/NONE	079RN-0317-0001-RN	N	1	Heptachlor Epoxide	0.05 U	0.0071	0.05	0.03	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8082/NONE	074SB-0010-0001-SO	N	1	PCB-1016 (Arochlor 1016)	77 U	25	77	33	UG/KG
SW8082/NONE	074SB-0010-0001-SO	N	1	PCB-1221 (Arochlor 1221)	59 U	19	59	33	UG/KG
SW8082/NONE	074SB-0010-0001-SO	N	1	PCB-1232 (Arochlor 1232)	53 U	16	53	33	UG/KG
SW8082/NONE	074SB-0010-0001-SO	N	1	PCB-1242 (Arochlor 1242)	47 U	15	47	33	UG/KG
SW8082/NONE	074SB-0010-0001-SO	N	1	PCB-1248 (Arochlor 1248)	65 U	20	65	33	UG/KG
SW8082/NONE	074SB-0010-0001-SO	N	1	PCB-1254 (Arochlor 1254)	65 U	20	65	33	UG/KG
SW8082/NONE	074SB-0010-0001-SO	N	1	PCB-1260 (Arochlor 1260)	65 U	20	65	33	UG/KG
SW8082/NONE	079RN-0317-0001-RN	N	1	PCB-1016 (Arochlor 1016)	0.5 U	0.17	0.5	0.2	UG/L
SW8082/NONE	079RN-0317-0001-RN	N	1	PCB-1221 (Arochlor 1221)	0.5 U	0.13	0.5	0.2	UG/L
SW8082/NONE	079RN-0317-0001-RN	N	1	PCB-1232 (Arochlor 1232)	0.5 U	0.16	0.5	0.2	UG/L
SW8082/NONE	079RN-0317-0001-RN	N	1	PCB-1242 (Arochlor 1242)	0.5 U	0.22	0.5	0.2	UG/L
SW8082/NONE	079RN-0317-0001-RN	N	1	PCB-1248 (Arochlor 1248)	0.5 U	0.1	0.5	0.2	UG/L
SW8082/NONE	079RN-0317-0001-RN	N	1	PCB-1254 (Arochlor 1254)	0.5 U	0.16	0.5	0.2	UG/L
SW8082/NONE	079RN-0317-0001-RN	N	1	PCB-1260 (Arochlor 1260)	0.5 U	0.17	0.5	0.2	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	074SB-0010-0001-SO	N	1	1,2-Dichloroethene	9.1 U	0.7	9.1	5	UG/KG
SW8260B/NONE	079-0318-0001-TB	N	1	1,2-Dichloroethene	2 U	0.34	2	1	UG/L
SW8260B/NONE	079RN-0317-0001-RN	N	1	1,2-Dichloroethene	2 U	0.34	2	1	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	074SB-0010-0001-SO	N	1	Benzyl alcohol	390 UJ	25	390	330	UG/KG
SW8270C/NONE	074SB-0010-0001-SO	N	1	Carbazole	58 UJ	32	58	50	UG/KG
SW8270C/NONE	074SB-0010-0001-SO	N	1	Cresols, m & p	470 UJ	23	470	300	UG/KG
SW8270C/NONE	074SB-0010-0001-SO	N	1	Hexachlorocyclopentadiene	390 UJ	32	390	330	UG/KG
SW8270C/NONE	074SB-0012-0001-SO	N	1	Benzyl alcohol	400 UJ	25	400	330	UG/KG
SW8270C/NONE	074SB-0012-0001-SO	N	1	Carbazole	60 UJ	32	60	50	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Reporting Anomalies

SDG Name: 240-22804-1_74,79,SB,RN

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	074SB-0012-0001-SO	N	1	Cresols, m & p	480 UJ	24	480	300	UG/KG
SW8270C/NONE	074SB-0012-0001-SO	N	1	Hexachlorocyclopentadiene	400 UJ	32	400	330	UG/KG
SW8270C/NONE	074SB-0013-0001-SO	N	1	Benzyl alcohol	390 U	25	390	330	UG/KG
SW8270C/NONE	074SB-0013-0001-SO	N	1	Carbazole	59 U	32	59	50	UG/KG
SW8270C/NONE	074SB-0013-0001-SO	N	1	Cresols, m & p	480 U	24	480	300	UG/KG
SW8270C/NONE	074SB-0013-0001-SO	N	1	Hexachlorocyclopentadiene	390 U	32	390	330	UG/KG
SW8270C/NONE	074SB-0015-0001-SO	N	1	Benzyl alcohol	390 U	25	390	330	UG/KG
SW8270C/NONE	074SB-0015-0001-SO	N	1	Carbazole	59 U	32	59	50	UG/KG
SW8270C/NONE	074SB-0015-0001-SO	N	1	Cresols, m & p	470 U	24	470	300	UG/KG
SW8270C/NONE	074SB-0015-0001-SO	N	1	Hexachlorocyclopentadiene	390 U	32	390	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	2,4,5-Trichlorophenol	930 U	150	930	800	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	2,4,6-Trichlorophenol	930 U	500	930	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	2,4-Dichlorophenol	930 U	120	930	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	2,4-Dimethylphenol	930 U	120	930	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	2,4-Dinitrophenol	2000 UJ	500	2000	800	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	2,4-Dinitrotoluene	1200 U	170	1200	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	2,6-Dinitrotoluene	1200 U	130	1200	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	2-Methylphenol (o-Cresol)	1200 U	500	1200	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	2-Nitroaniline	1200 U	56	1200	800	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	3,3'-Dichlorobenzidine	620 U	110	620	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	3-Nitroaniline	1200 U	99	1200	800	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	4,6-Dinitro-2-Methylphenol	930 U	500	930	800	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	4-Chloro-3-Methylphenol	930 U	130	930	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	4-Chloroaniline	930 U	110	930	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	4-Nitroaniline	1200 U	160	1200	800	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	4-Nitrophenol	2000 U	500	2000	800	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Benzoic acid	4100 R	2100	4100	800	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Benzyl alcohol	2000 U	130	2000	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Benzyl butyl phthalate	430 U	62	430	330	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Reporting Anomalies

SDG Name: 240-22804-1_74,79,SB,RN

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	074SB-0023-0001-SO	N	5	bis(2-Chloroethoxy) Methane	620 U	140	620	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	620 U	12	620	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	bis(2-Chloroisopropyl) Ether	620 U	59	620	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Carbazole	310 U	170	310	50	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Cresols, m & p	2500 U	120	2500	300	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Diethyl Phthalate	430 U	99	430	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Dimethyl Phthalate	430 U	110	430	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Di-n-Butyl Phthalate	430 U	93	430	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Di-n-Octylphthalate	430 U	170	430	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Hexachlorocyclopentadiene	2000 U	170	2000	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Nitrobenzene	620 U	14	620	330	UG/KG
SW8270C/NONE	074SB-0023-0001-SO	N	5	Pentachlorophenol	930 U	500	930	800	UG/KG
SW8270C/NONE	074SB-0024-0001-SO	N	1	Benzyl alcohol	390 U	25	390	330	UG/KG
SW8270C/NONE	074SB-0024-0001-SO	N	1	Carbazole	59 U	32	59	50	UG/KG
SW8270C/NONE	074SB-0024-0001-SO	N	1	Cresols, m & p	470 U	24	470	300	UG/KG
SW8270C/NONE	074SB-0024-0001-SO	N	1	Hexachlorocyclopentadiene	390 U	32	390	330	UG/KG
SW8270C/NONE	074SB-0025-0001-SO	N	1	Benzoic acid	830 R	420	830	800	UG/KG
SW8270C/NONE	074SB-0025-0001-SO	N	1	Benzyl alcohol	420 U	26	420	330	UG/KG
SW8270C/NONE	074SB-0025-0001-SO	N	1	Carbazole	35 J	34	63	50	UG/KG
SW8270C/NONE	074SB-0025-0001-SO	N	1	Cresols, m & p	500 U	25	500	300	UG/KG
SW8270C/NONE	074SB-0025-0001-SO	N	1	Hexachlorocyclopentadiene	420 U	34	420	330	UG/KG
SW8270C/NONE	074SB-0026-0001-SO	N	1	Benzoic acid	830 R	420	830	800	UG/KG
SW8270C/NONE	074SB-0026-0001-SO	N	1	Benzyl alcohol	420 U	26	420	330	UG/KG
SW8270C/NONE	074SB-0026-0001-SO	N	1	Carbazole	63 U	34	63	50	UG/KG
SW8270C/NONE	074SB-0026-0001-SO	N	1	Cresols, m & p	500 U	25	500	300	UG/KG
SW8270C/NONE	074SB-0026-0001-SO	N	1	Hexachlorocyclopentadiene	420 U	34	420	330	UG/KG
SW8270C/NONE	074SB-0027-0001-SO	N	1	Benzyl alcohol	390 U	25	390	330	UG/KG
SW8270C/NONE	074SB-0027-0001-SO	N	1	Carbazole	59 U	32	59	50	UG/KG
SW8270C/NONE	074SB-0027-0001-SO	N	1	Cresols, m & p	470 U	24	470	300	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Reporting Anomalies

SDG Name: 240-22804-1_74,79,SB,RN

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	074SB-0027-0001-SO	N	1	Hexachlorocyclopentadiene	390 U	32	390	330	UG/KG
SW8270C/NONE	079RN-0317-0001-RN	N	1	1,4-Dichlorobenzene	1.1 U	0.36	1.1	1	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	2,4,5-Trichlorophenol	5.3 U	0.32	5.3	5	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	2,4,6-Trichlorophenol	5.3 U	0.85	5.3	5	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	3,3'-Dichlorobenzidine	5.3 U	0.39	5.3	5	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Benzo(a)anthracene	0.21 U	0.11	0.21	0.2	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Benzo(a)pyrene	0.21 U	0.11	0.21	0.2	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Benzo(b)fluoranthene	0.21 U	0.11	0.21	0.2	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Benzo(k)fluoranthene	0.21 U	0.11	0.21	0.2	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Benzoic acid	26 R	11	26	25	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1.1 U	0.11	1.1	1	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Dibenz(a,h)anthracene	0.21 U	0.11	0.21	0.2	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Hexachlorobenzene	0.21 U	0.11	0.21	0.2	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Hexachlorobutadiene	1.1 U	0.29	1.1	1	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Hexachlorocyclopentadiene	11 U	0.85	11	10	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Indeno(1,2,3-c,d)pyrene	0.21 U	0.11	0.21	0.2	UG/L
SW8270C/NONE	079RN-0317-0001-RN	N	1	Pentachlorophenol	5.3 U	2.5	5.3	5	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8330B/NONE	079RN-0317-0001-RN	N	1	2,4-Dinitrotoluene	0.11 U	0.056	0.11	0.1	UG/L
SW8330B/NONE	079RN-0317-0001-RN	N	1	2,6-Dinitrotoluene	0.11 U	0.056	0.11	0.1	UG/L
SW8330B/NONE	079RN-0317-0001-RN	N	1	2-Amino-4,6-dinitrotoluene	0.22 U	0.017	0.22	0.2	UG/L
SW8330B/NONE	079RN-0317-0001-RN	N	1	2-Nitrotoluene	0.56 U	0.098	0.56	0.2	UG/L
SW8330B/NONE	079RN-0317-0001-RN	N	1	3-Nitrotoluene	0.56 U	0.064	0.56	0.2	UG/L
SW8330B/NONE	079RN-0317-0001-RN	N	1	4-Nitrotoluene	0.56 U	0.098	0.56	0.2	UG/L

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AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Worksheet

SDG Name: 240-22804-1_74,79,SB,RN

Method: E353.2

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample reciept temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?		•		
Was a field blank collected and analyzed?	•			Rinsate Blank
Were target analytes reported in the field blank analyses above the MDL?		•		
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Was a duplicate sample prepared and analyzed with each batch?			•	
Was the duplicate RPD within QAPP acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were the MS/MSD recoveries and RPDs within QAPP acceptance limits?			•	
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

Method: M8015D

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample reciept temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?	•			
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =20%)?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?	•			Rinsate Blank
Were target analytes reported in the field blank analyses above the MDL?		•		
Were surrogate recoveries within QAPP acceptance limits?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			LCS was extracted with each preparation batch.
Were the LCS recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?			•	
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?	•			
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were sample prepration sheets present and filled out appropriately?	•			
Were instrument run logs present and filled out appropriately?	•			

Method: SW6020

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample reciept temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?	•			1. MB 180-70060/1-A: Pb was detected above the MDL but below the RL. CCB2 180-71214/25: Al, Ca, Fe, Mn, Mg, were detected above the MDL but below RL. CCB3 180-71214/37: Cd, Ca, Co, Fe, and Pb were detected above the MDL but below the RL. 3. MB 180-69392/1-A: Ba,Ca, Cd, Fe, and Mn were detected above MDL but below the RL.
Was a field blank collected and analyzed?	•			Rinsate Blank
Were target analytes reported in the field blank analyses above the MDL?	•			Cr, and Ni were above RL. Cu, Na, and Zn were detected above the MDL but below the RL.
Was an Interference Check Standard (ICS) run at the beginning and end of every run?	•			
Was the ICS recovery within QAPP acceptance limits?	•			
If a field duplicate was analyzed, were the RPDs within criteria?			•	
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?	•			
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were the MS/MSD within QAPP acceptance limits?	•			
Was a serial dilution prepared and analyzed with each batch?	•			
Was the serial dilution within QAPP acceptance limits?	•			
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Method: SW6020

Review Questions	Yes	No	NA	Comment
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

Method: SW7470A

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample reciept temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?		•		
Was a field blank collected and analyzed?	•			Rinsate Blank
Were target analytes reported in the field blank analyses above the MDL?		•		
Was the ICS recovery within QAPP acceptance limits?			•	
If a field duplicate was analyzed, were the RPDs within criteria?			•	
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were the MS/MSD within QAPP acceptance limits?			•	
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Method: SW7470A

Review Questions	Yes	No	NA	Comment
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

Method: SW7471A

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample reciept temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?		•		
Was a field blank collected and analyzed?	•			Rinsate Blank
Were target analytes reported in the field blank analyses above the MDL?		•		
Was the ICS recovery within QAPP acceptance limits?			•	
If a field duplicate was analyzed, were the RPDs within criteria?			•	
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were the MS/MSD within QAPP acceptance limits?			•	
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Method: SW7471A

Review Questions	Yes	No	NA	Comment
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

Method: SW8081

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample reciept temperatures met?	•			
Were holding times for prep and analysis met?		•		Sample 240-22804-4 was re-extracted outside the method recommended holding time, due to low surrogate recovery in the initial extraction.
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?		•		Toxaphene %D= 28.9%.
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =20%)?		•		CCV 240-82129/13 and 26; CCV 240-83482/12: Methoxychlor %D >20%.
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?	•			Rinsate Blank
Were target analytes reported in the field blank analyses above the MDL?		•		
Were surrogate recoveries within QAPP acceptance limits?	•			Surrogate recovery in sample 240-22804-4 recovered below the control limits in the initial extraction.
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)			•	
Were the LCS recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?			•	
Were the Breakdown products within QAPP acceptance limits?	•			
Is the MS/MSD parent sample the one designated by the sampling team?			•	

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Method: SW8081

Review Questions	Yes	No	NA	Comment
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?			•	All pesticides were reported as non-detects.
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were sample prepration sheets present and filled out appropriately?	•			
Were instrument run logs present and filled out appropriately?	•			

Method: SW8082

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample reciept temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?	•			
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =20%)?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?	•			Rinsate Blank
Were target analytes reported in the field blank analyses above the MDL?		•		
Were surrogate recoveries within QAPP acceptance limits?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			LCS was extracted with each preparation batch.
Were the LCS recoveries within QAPP acceptance limits?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Method: SW8082

Review Questions	Yes	No	NA	Comment
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?			•	
Were the Breakdown products within QAPP acceptance limits?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?			•	All PCBs were reported as non-detects.
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were sample prepration sheets present and filled out appropriately?	•			
Were instrument run logs present and filled out appropriately?	•			

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample reciept temperatures met?	•			
Were QAPP specified PQLs achieved?	•			
Were all QAPP-specified target analytes reported?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	•			
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	•			

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	•			
If a linear regression curve was used, was the correlation coefficient within criteria?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria?	•			
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Did the CCCs have a %Difference within QAPP acceptance limits?	•			
Were the average RFs for the SPCCs within QAPP acceptance limits?	•			
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	•			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	•			
Were the retention times for all IS compounds within QAPP acceptance limits?	•			
Are the area counts of all IS compounds within QAPP acceptance limits?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?	•			MB 240-81930/7: Acetone was detected above the MDL but below the RL.
Was a field blank (equipment or trip) collected and analyzed at the required frequency?	•			Rinsate and trip blank were submitted with this SDG.
Were target analytes reported in the field blank analyses above the MDL?	•			079-0318-001-TB (240-22804-12): Acetone was detected above the MDL but below the RL. Methylene chloride was detected above the RL.
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			LCS was analyzed with each batch.
Were the LCS/LCSD recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits?			•	
Was the duplicate RPD within QAPP acceptance limits?			•	
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were surrogate recoveries within QAPP acceptance limits?		•		1. Sample 240-22804-4: two surrogate were recovered below the control limits. This only impact the following compounds: MIBK, 2-Hexanone and MEK.

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Were reported sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample prepration sheets present and filled out appropriately?	•			

Method: SW8270C

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?		•		Samples 240-22804-4 and 5 were re-extracted outside the recommended method holding time, due to low acid surrogate recovery in the initial analysis.
Were sample reciept temperatures met?	•			
Were QAPP specified PQLs achieved?	•			
Were all QAPP-specified target analytes reported?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	•			
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	•			
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	•			
If a linear regression curve was used, was the correlation coefficient within criteria?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria?	•			
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Did the CCCs have a %Difference within QAPP acceptance limits?	•			
Were the average RFs for the SPCCs within QAPP acceptance limits?	•			

Method: SW8270C

Review Questions	Yes	No	NA	Comment
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	•			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	•			
Were the retention times for all IS compounds within QAPP acceptance limits?	•			
Are the area counts of all IS compounds within QAPP acceptance limits?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?	•			MB 240-83486/23-A: Di-n-butyl phthalate was detected above the MDL but below the RL.
Was a field blank (equipment or trip) collected and analyzed at the required frequency?	•			Rinsate Blank
Were target analytes reported in the field blank analyses above the MDL?		•		
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			LCS was extracted with each batch.
Were the LCS/LCSD recoveries within QAPP acceptance limits?		•		LCS 240-81130/23-A, LCS 240-81948/24-A, and LCS 240-83486/24-A: Benzoic acid was not recovered. Benzoic acid was qualified (R) in the following samples 2-11.
Were the LCS/LCSD RPDs within QAPP acceptance limits?			•	
Was the duplicate RPD within QAPP acceptance limits?			•	
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were surrogate recoveries within QAPP acceptance limits?	•			
Were reported sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample prepration sheets present and filled out appropriately?	•			

Method: SW8330B

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-22804-1_74,79,SB,RN

Method: SW8330B

Review Questions	Yes	No	NA	Comment
Were samples preserved properly and received in good condition?	•			
Were sample reciept temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?	•			
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =20%)?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		1. MB 320-143877/1-A: Tetryl was not detected on the primary column (C18); however it was detected on the confirmation column (Zorbax CN). Tetryl was false positive.
Was a field blank (equipment or trip) collected and analyzed?	•			Rinsate Blank.
Were target analytes reported in the field blank analyses above the MDL?		•		
Were surrogate recoveries within QAPP acceptance limits?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			LCS was extracted with each preparation batch.
Were the LCS recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?				
Were RPDs between primary and confirmation columns < 40%?			•	All explosives were reported as non-detect.
Did PDA spectra for reported compounds match associated standard spectra?			•	
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			

Method: SW8330B

Review Questions	Yes	No	NA	Comment
Were sample prepration sheets present and filled out appropriately?	•			
Were instrument run logs present and filled out appropriately?	•			