



July 13, 2012

Ms. Marni Solheim
Senior Regulatory & Facilities Specialist
Waste 2 Resources Program
Washington State Department of Ecology
4601 North Monroe Street
Spokane, Washington 99205-1295

**RE: WAC 173-351-990 APPENDIX III SAMPLE RESULTS AND
SAMPLING AND ANALYSIS PLAN REVIEW**

Dear Ms. Solheim:

Schwyn Environmental Services, LLC (Schwyn), on behalf of the City of Walla Walla (City) prepared this letter to present the WAC 173-351-990 Appendix III groundwater sample results from the first scheduled Sudbury Road Landfill Remedial Investigation (RI) sampling event. Based on the results no changes are proposed to the groundwater sampling and analytical procedures described in the Sudbury Road Landfill RI Work Plan¹ and the Sampling and Analysis Plan (SAP).

The SAP describes the following procedures:

Groundwater samples will be collected and analyzed for Appendix III assessment monitoring parameters from the downgradient compliance groundwater monitoring wells (MW-11, MW-14, and MW-15) during the first groundwater monitoring event of the RI. Upon receipt of the analytical results, the RI groundwater sampling program will be reviewed to assure that any significant Appendix III analytical detections exceeding MTCA screening levels are included during the remaining sampling events. If no new constituents are reported then the RI monitoring would revert to the groundwater sample plan as proposed in the SAP.

PROCEDURES AND RESULTS

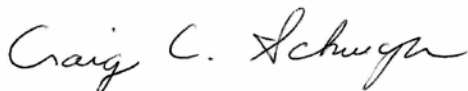
Groundwater samples were collected during June 4 through 8, 2012, and analyzed in accordance with the SAP. A replicate sample was collected from MW-15 (identified as sample D15) and additional water samples were collected from MW-11 for laboratory quality control (MS/MSD samples). A summary of the analytical results are provided on Table 1. The laboratory analytical reports are attached. The results of each analytical group are summarized below.

- Volatile Organic Constituents (VOCs): Nine VOCs were detected; however, each of the detected parameters is monitored for on a regular basis and the concentrations were consistent with historical levels. No new or unusual parameters were reported.
- Dissolved and Total Metals: Dissolved barium, chromium, and vanadium, and total nickel were reported at concentrations above the method reporting level (MRL). All reported metals concentrations except for vanadium were below the respective screening levels. All reported concentrations were consistent with historical levels, and the vanadium concentrations are also consistent with upgradient levels.
- Organochlorine pesticides: No organochlorine pesticides were reported at or above the respective constituent MRL.
- Polychlorinated Biphenyls (PCBs): No PCBs (Aroclors) were reported at or above the MRL.
- Organophosphorus Compounds: No organophosphorus compounds were reported at or above the respective constituent MRL.
- Chlorinated Herbicides: No chlorinated herbicides were reported at or above the respective constituent MRL.
- Semi-Volatile Organic Constituents (SVOCs): No SVOCs were reported at or above the respective constituent MRL.
- Total Cyanide: Total cyanide was not reported at or above the MRL.
- Total Sulfide: Total sulfide was not reported at or above the MRL.

Based on the Appendix III results, no changes to the groundwater monitoring plan detailed in the SAP are proposed. If you have any questions please call Frank Nicholson at (509) 524-4510.

Sincerely,

SCHWYN ENVIRONMENTAL SERVICES, LLC



Craig C. Schwyn, L.Hg.
Principal

Cc: Frank Nicholson, City Engineering
Bill Joyce, Joyce, Ziker, Parkinson, PLLC

ⁱ Schwyn Environmental Services, LLC. *Data Summary and Remedial Investigation Work Plan, Sudbury Road Landfill, Walla Walla, Washington.* December 282011.

TABLE 1
APPENDIX III DETECTED PARAMETER SUMMARY
City of Walla Walla Sudbury Road Landfill

Analyses	Method	Units	Monitoring Well				Screening Level(a)	
			MW-11	MW-14b	MW-15	D15		
Detected VOCs								
Dichlorodifluoromethane	USEPA Method 8260B	µg/L	0.56	0.56	2.8	2.9	1600	
Vinyl Chloride	USEPA Method 8260B	µg/L	ND	ND	0.67	0.65	0.029	
	USEPA Method 8206B SIM	µg/L	ND	ND	0.78	0.79	0.029	
Trichlorofluoromethane	USEPA Method 8260B	µg/L	ND	ND	0.63	0.65	2400	
1,1-Dichloroethane	USEPA Method 8260B	µg/L	ND	ND	3.1	3	1600	
cis-1,2-Dichloroethene	USEPA Method 8260B	µg/L	ND	ND	9.1	9	16	
Chloroform	USEPA Method 8260B	µg/L	1.1	1.1	ND	ND	80	
Trichloroethene (TCE)	USEPA Method 8260B	µg/L	ND	ND	1.6	1.6	0.54	
Tetrachloroethene (PCE)	USEPA Method 8260B	µg/L	1.2	0.67	5	4.8	5	
Toluene	USEPA Method 8260B	µg/L	ND	ND	0.59	ND	640	
Dissolved Metals								
Antimony	USEPA Method 6010C	µg/L	ND	ND	ND	ND	3200	
Arsenic	USEPA Method 6010C	µg/L	ND	ND	ND	ND		
Barium	USEPA Method 6010C	µg/L	66.9	71.9	180	179		
Beryllium	USEPA Method 6010C	µg/L	ND	ND	ND	ND		
Cadmium	USEPA Method 6010C	µg/L	ND	ND	ND	ND	100	
Chromium	USEPA Method 6010C	µg/L	ND	2.4	ND	3		
Cobalt	USEPA Method 6010C	µg/L	ND	ND	ND	ND		
Copper	USEPA Method 6010C	µg/L	ND	ND	ND	ND		
Lead	USEPA Method 6010C	µg/L	ND	ND	ND	ND		
Selenium	USEPA Method 6010C	µg/L	ND	ND	ND	ND		
Silver	USEPA Method 6010C	µg/L	ND	ND	ND	ND		
Thallium	USEPA Method 6010C	µg/L	ND	ND	ND	ND		
Tin	USEPA Method 6010C	µg/L	ND	ND	ND	ND		
Vanadium	USEPA Method 6010C	µg/L	14.2	14.8	14.8	15.3		
Zinc	USEPA Method 6010C	µg/L	ND	ND	ND	ND		
Total Metals								
Total Nickel	USEPA Method 6010C	µg/L	8.4	9.2	8.5	8		NR
Total Mercury	USEPA Method 7470A	µg/L	ND	ND	ND	ND		
Other Analytes								
Organochlorine pesticides	USEPA Method 8081A	µg/L	ND	ND	ND	ND		
PCBs (Aroclors)	USEPA Method 8082	µg/L	ND	ND	ND	ND		
Organophosphorus compounds	USEPA Method 8141A	µg/L	ND	ND	ND	ND		
Chlorinated herbicides	USEPA Method 8151A	µg/L	ND	ND	ND	ND		
SVOCs	USEPA Method 8270D	µg/L	ND	ND	ND	ND		
Total cyanide	SM 4500 S2 D	mg/L	ND	ND	ND	ND		
Total sulfide	EPA 335.4	mg/L	ND	ND	ND	ND		
Notes:								
D15 = Duplicate sample collected from MW-15								
(a) Screening level based on MTCA Chapter 173-340 WAC Method B standard groundwater cleanup levels using CLARC formula values based on 10-6 cancer risk or Hazard Index of 1.								

Project Name: City of Walla Walla Sudbury Road Landfill Remedial Investigation

Project Manager: Craig Schwyn

Company: Schwyn Environmental Services
4621 South Custer Court
Spokane, Washington 99223
509-448-3187: Craig@schwynenviro.com

Sampler's Signature: _____

Sample ID.	Date	Time	LAB ID	Matrix	Number of Containers	VOCs (8260B special list)	Vinyl Chloride by 8260 SIM	[Chloride, Nitrate, Sulfate (Method 300.0)] [Ca, Fe, Mg, Mn, K, Na (Method 6010C)] [Alkalinity (Method 2320B)] [Ammonia (SM 4500)] [TOC (Method 415.1)] [TDS (SM 2540C)]	Appendix III Parameters (see below)	MS/MSD	REMARKS
Schmidt	6-6-12	2:15			6	X	X				
Small	6-6-12	2:30			6	X	X				
Kinman	6/6/12	3:00			6	X	X				
MW-19	6/6/12	4:30			10	X	X	X			
MW-15	6/6/12	5:00			24	X	X	X	X		
D 15	6/6/12	6:00			24	X	X	X	X		
MW-146	6/7/12	9:00			24	X	X	X	X		
MW-18	6/7/12	9:30			10	X	X	X	X		
MW-23	6/7/12	10:00			10	X	X	X	X		
MW-24	6/7/12	10:30			10	X	X	X	X		
APPENDIX III REQUIREMENTS					Appendix III Parameters						
24 hr 48 hr 5 day					Dissolved Metals: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Se, Ag, Ti, Sn, V, and Zn by USEPA Method 6010C Total Metals: Ni, Hg by USEPA Method 6010C, and 7470A Organochlorine pesticides by USEPA Method 8081A PCBs (Aroclors) by USEPA Method 8082 Organophosphorus compounds by USEPA Method 8141A Chlorinated herbicides by USEPA Method 8151A SVOCS USEPA Method 8270D Total cyanide by SM 4500 S2 D and Total sulfide by EPA 335.4						
REPORT REQUIREMENTS					I. Routine Report: Results, Method Blanks, Surrogate, as required II. Report Dup., MS, MSD as required III. Data Validation Report (includes raw data) IV. CLP Deliverable Report V. EDD						
INFORMATION					Requested Report Date: _____ P.O. # _____ Bill to: Schwyn Environmental Services						
RELINQUISHED BY:					RECEIVED BY:						
Signature: <i>[Signature]</i>					Signature: <i>[Signature]</i>						
Printed Name: <i>[Name]</i>					Printed Name: <i>[Name]</i>						
Firm: Schwyn Environmental Services					Firm: <i>[Firm]</i>						
Date/Time: _____					Date/Time: _____						



PC ed

Cooler Receipt and Preservation Form

Client / Project: Schwyn Service Request K12 5520
 Received: 6/8/12 Opened: 6/8/12 By: [Signature] Unloaded: 6/8/12 By: [Signature]

- Samples were received via? Mail Fed Ex UPS DHL PDX Courier Hand Delivered
- Samples were received in: (circle) Cooler Box Envelope Other NA
- Were custody seals on coolers? NA Y N If yes, how many and where? _____
 If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Cooler Temp °C	Temp Blank °C	Thermometer ID	Cooler/COC ID	Tracking Number	NA	Filed
	4.2	287	<u>NA</u>	8036 9742 21063		
	4	302		8036 9742 21090		
	1.0	276		8036 9742 2085		
	2.318	318		8728 2920 9299		

- Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves
- Were custody papers properly filled out (ink, signed, etc.)? NA Y N
- Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
- Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
- Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N *
- Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N *
- Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
- Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
- Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time
D15	1 of 3	50ml				X	HND3	1ml	K23022	[Signature]	1050

Notes, Discrepancies, & Resolutions: * Aliquoted 250ml unpreserved for MW-15, D-15, MW-14b for dissolved metals - Re-labelled these bottles for Total Metals ERMW 6/11/12
 Received 6 vials each for Camp and C2 and 2-Trip blanks not on the COC. 6/6/12 1530 6/6/12 1520

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Analytical Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: 300.0

Service Request: K1205520
Date Collected: 06/06/12 - 06/07/12
Date Received: 06/8/12
Units: mg/L
Basis: NA

Chloride

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-19	K1205520-006	129	4.0	20	06/08/12 13:12	
MW-15	K1205520-007	126	4.0	20	06/08/12 13:26	
D15	K1205520-008	127	4.0	20	06/08/12 13:39	
MW-14b	K1205520-009	143	4.0	20	06/08/12 13:53	
MW-18	K1205520-010	157	4.0	20	06/08/12 14:06	
MW-23	K1205520-011	124	4.0	20	06/08/12 14:20	
MW-24	K1205520-012	101	4.0	20	06/08/12 14:33	
MW-17	K1205520-013	141	4.0	20	06/08/12 14:47	
Method Blank	K1205520-MB1	ND U	0.20	1	06/08/12 07:09	

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/12
Date Received: 06/08/12
Date Analyzed: 06/08/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-19 **Units:** mg/L
Lab Code: K1205520-006 **Basis:** NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1205520-006DUP10 Result	Average	RPD	RPD Limit
Chloride	300.0	4.0	129	130	130	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/12
Date Received: 06/08/12
Date Analyzed: 06/8/12

**Duplicate Matrix Spike Summary
 Chloride**

Sample Name: MW-19
Lab Code: K1205520-006
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1205520-006MS3		Duplicate Matrix Spike K1205520-006DMS3		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Chloride	129	175	40.0	115 *	175	40.0	114 *	90-110	<1	20

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Analyzed: 06/08/12

Lab Control Sample Summary
Chloride

Analysis Method: 300.0

Units: mg/L

Basis: NA

Analysis Lot: 295189

<u>Sample Name</u>	<u>Lab Code</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Lab Control Sample	K1205520-LCS3	4.72	5.00	94	90-110

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Analytical Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: 300.0

Service Request: K1205520
Date Collected: 06/06/12 - 06/07/12
Date Received: 06/8/12
Units: mg/L
Basis: NA

Nitrate as Nitrogen

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-19	K1205520-006	9.1	1.0	20	06/08/12 13:12	
MW-15	K1205520-007	6.9	1.0	20	06/08/12 13:26	
D15	K1205520-008	6.9	1.0	20	06/08/12 13:39	
MW-14b	K1205520-009	8.3	1.0	20	06/08/12 13:53	
MW-18	K1205520-010	9.5	1.0	20	06/08/12 14:06	
MW-23	K1205520-011	10.2	1.0	20	06/08/12 14:20	
MW-24	K1205520-012	9.0	1.0	20	06/08/12 14:33	
MW-17	K1205520-013	10.1	1.0	20	06/08/12 14:47	
Method Blank	K1205520-MB1	ND U	0.050	1	06/08/12 07:09	

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/12
Date Received: 06/08/12
Date Analyzed: 06/08/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-19
Lab Code: K1205520-006

Units: mg/L
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample K1205520-006DUP10 Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Nitrate as Nitrogen	300.0	1.0	9.1	9.2	9.16	2	20

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/12
Date Received: 06/08/12
Date Analyzed: 06/8/12

Duplicate Matrix Spike Summary
Nitrate as Nitrogen

Sample Name: MW-19
Lab Code: K1205520-006
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1205520-006MS3		Duplicate Matrix Spike K1205520-006DMS3		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Nitrate as Nitrogen	9.1	50.6	40.0	104	50.2	40.0	103	90-110	<1	20

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

Date Analyzed: 06/08/12

Lab Control Sample Summary

Nitrate as Nitrogen

Analysis Method: 300.0

Units: mg/L

Basis: NA

Analysis Lot: 295189

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1205520-LCS3	18.1	17.7	102	90-110

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Analytical Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: 300.0

Service Request: K1205520
Date Collected: 06/06/12 - 06/07/12
Date Received: 06/8/12

Units: mg/L
Basis: NA

Sulfate

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-19	K1205520-006	39.4	4.0	20	06/08/12 13:12	
MW-15	K1205520-007	37.9	4.0	20	06/08/12 13:26	
D15	K1205520-008	38.0	4.0	20	06/08/12 13:39	
MW-14b	K1205520-009	37.4	4.0	20	06/08/12 13:53	
MW-18	K1205520-010	32.8	4.0	20	06/08/12 14:06	
MW-23	K1205520-011	31.0	4.0	20	06/08/12 14:20	
MW-24	K1205520-012	29.6	4.0	20	06/08/12 14:33	
MW-17	K1205520-013	29.0	4.0	20	06/08/12 14:47	
Method Blank	K1205520-MB1	ND U	0.20	1	06/08/12 07:09	

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/12
Date Received: 06/08/12
Date Analyzed: 06/08/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-19
Lab Code: K1205520-006

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1205520-006DUP10 Result	Average	RPD	RPD Limit
Sulfate	300.0	4.0	39.4	39.8	39.6	1	20

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/12
Date Received: 06/08/12
Date Analyzed: 06/8/12

**Duplicate Matrix Spike Summary
Sulfate**

Sample Name: MW-19
Lab Code: K1205520-006
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1205520-006MS3		Duplicate Matrix Spike K1205520-006DMS3		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Sulfate	39.4	81.2	40.0	104	81.7	40.0	106	90-110	<1	20

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

Date Analyzed: 06/08/12

Lab Control Sample Summary
Sulfate

Analysis Method: 300.0

Units: mg/L

Basis: NA

Analysis Lot: 295189

<u>Sample Name</u>	<u>Lab Code</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Lab Control Sample	K1205520-LCS3	4.60	5.00	92	90-110

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Analytical Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: SM 2320 B

Service Request: K1205520
Date Collected: 06/06/12 - 06/07/12
Date Received: 06/8/12

Units: mg/L**Basis:** NA**Alkalinity as CaCO₃, Total**

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-19	K1205520-006	332	9.0	1	06/13/12 20:53	
MW-15	K1205520-007	491	9.0	1	06/13/12 20:53	
D15	K1205520-008	484	9.0	1	06/13/12 20:53	
MW-14b	K1205520-009	280	9.0	1	06/13/12 20:53	
MW-18	K1205520-010	315	9.0	1	06/13/12 20:53	
MW-23	K1205520-011	281	9.0	1	06/13/12 20:53	
MW-24	K1205520-012	285	9.0	1	06/13/12 20:53	
MW-17	K1205520-013	299	9.0	1	06/13/12 20:53	
Method Blank	K1205520-MB1	ND U	9.0	1	06/13/12 20:53	
Method Blank	K1205520-MB2	ND U	9.0	1	06/13/12 20:53	

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: SM 2320 B

Service Request: K1205520
Date Collected: NA
Date Received: NA
Units: mg/L
Basis: NA

Duplicate Sample Summary
Alkalinity as CaCO₃, Total

Sample Name:	Lab Code:	MRL	Sample Result	Duplicate Result	Average	RPD	RPD Limit	Date Analyzed
Batch QC	K1205411-033DUP1	9.0	91.1	94.6	92.9	4	20	06/13/12
Batch QC	K1205452-001DUP3	9.0	267	282	275	5	20	06/13/12
Batch QC	K1205477-004DUP8	9.0	92.1	96.6	94.4	5	20	06/13/12
Batch QC	K1205477-010DUP9	9.0	96.0	95.5	95.8	<1	20	06/13/12

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COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

Date Analyzed: 06/13/12

Lab Control Sample Summary
Alkalinity as CaCO3, Total

Analysis Method: SM 2320 B

Units: mg/L

Basis: NA

Analysis Lot: 296181

<u>Sample Name</u>	<u>Lab Code</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Lab Control Sample	K1205520-LCS3	65.8	64.9	101	94-106
Lab Control Sample	K1205520-LCS4	66.4	64.9	102	94-106

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: SM 2540 C

Service Request: K1205520
Date Collected: 06/06/12 - 06/07/12
Date Received: 06/8/12

Units: mg/L
Basis: NA

Solids, Total Dissolved

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-19	K1205520-006	745	10	1	06/13/12 00:00	
MW-15	K1205520-007	988	13	1	06/13/12 00:00	
D15	K1205520-008	953	13	1	06/13/12 00:00	
MW-14b	K1205520-009	711	13	1	06/13/12 00:00	
MW-18	K1205520-010	764	13	1	06/13/12 00:00	
MW-23	K1205520-011	736	13	1	06/13/12 00:00	
MW-24	K1205520-012	600	10	1	06/13/12 00:00	
MW-17	K1205520-013	669	10	1	06/13/12 00:00	
Method Blank	K1205520-MB1	ND U	5.0	1	06/13/12 00:00	
Method Blank	K1205520-MB2	ND U	5.0	1	06/13/12 00:00	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/12
Date Received: 06/08/12
Date Analyzed: 06/13/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-17 Units: mg/L
Lab Code: K1205520-013 Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1205520-013DUP17 Result	Average	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	10	669	673	671	<1	10

Results flagged with an asterisk (*) indicate values outside control criteria.

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Analyzed: 06/13/12

Lab Control Sample Summary
Solids, Total Dissolved

Analysis Method: SM 2540 C

Units: mg/L

Basis: NA

Analysis Lot: 296007

<u>Sample Name</u>	<u>Lab Code</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Lab Control Sample	K1205520-LCS3	1180	1240	95	90-108

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: SM 4500-CN-E
Prep Method: SM 4500-CN-C

Service Request: K1205520
Date Collected: 06/06/12 - 06/07/12
Date Received: 06/8/12
Units: mg/L
Basis: NA

Cyanide, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
MW-15	K1205520-007	ND U	0.010	1	06/19/12 17:53	6/19/12	
D15	K1205520-008	ND U	0.010	1	06/19/12 17:53	6/19/12	
MW-14b	K1205520-009	ND U	0.010	1	06/19/12 17:53	6/19/12	
Method Blank	K1205520-MB1	ND U	0.0047	1	06/19/12 17:53	6/19/12	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA
Date Analyzed: 06/19/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: Batch QC **Units:** mg/L
Lab Code: K1205452-001 **Basis:** NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample K1205452- 001DUP3 Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Cyanide, Total	SM 4500-CN- E	0.010	ND	ND	NC	NC	20

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: N/A
Date Received: N/A
Date Analyzed: 06/19/12
Date Extracted: 06/19/12

Duplicate Matrix Spike Summary
Cyanide, Total

Sample Name: Batch QC
Lab Code: K1205452-001
Analysis Method: SM 4500-CN- E
Prep Method: SM 4500-CN-C

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1205452-001MS1		Duplicate Matrix Spike K1205452-001DMS1		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Cyanide, Total	ND	0.094	0.100	94	0.097	0.100	97	23-148	3	20

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Analyzed: 06/19/12
Date Extracted: 06/19/12

Lab Control Sample Summary
Cyanide, Total

Analysis Method: SM 4500-CN- E
Prep Method: SM 4500-CN-C

Units: mg/L
Basis: NA
Analysis Lot: 297025

<u>Sample Name</u>	<u>Lab Code</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Lab Control Sample	K1205520-LCS3	1.47	1.46	101	84-115

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: SM 4500-NH3 E

Service Request: K1205520
Date Collected: 06/06/12 - 06/07/12
Date Received: 06/8/12
Units: mg/L
Basis: NA

Ammonia as Nitrogen

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-19	K1205520-006	ND U	0.050	1	06/11/12 08:30	
MW-15	K1205520-007	ND U	0.050	1	06/11/12 08:30	
D15	K1205520-008	ND U	0.050	1	06/11/12 08:30	
MW-14b	K1205520-009	ND U	0.050	1	06/11/12 08:30	
MW-18	K1205520-010	ND U	0.050	1	06/11/12 08:30	
MW-23	K1205520-011	ND U	0.050	1	06/11/12 08:30	
MW-24	K1205520-012	ND U	0.050	1	06/11/12 08:30	
MW-17	K1205520-013	ND U	0.050	1	06/11/12 08:30	
Method Blank	K1205520-MB1	ND U	0.050	1	06/11/12 08:30	
Method Blank	K1205520-MB2	ND U	0.050	1	06/11/12 08:30	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: SM 4500-NH3 E

Service Request: K1205520
Date Collected: NA
Date Received: NA
Units: mg/L
Basis: NA

Duplicate Sample Summary
Ammonia as Nitrogen

<u>Sample Name:</u>	<u>Lab Code:</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>	<u>Date Analyzed</u>
Batch QC	K1205452-001DUP3	0.050	0.051	ND	NC	NC	20	06/11/12
Batch QC	K1205587-001DUP21	0.050	ND	ND	NC	NC	20	06/11/12
Batch QC	K1205587-007DUP27	0.050	ND	ND	NC	NC	20	06/11/12

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COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: N/A
Date Received: N/A
Date Analyzed: 06/11/12

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name: Batch QC
Lab Code: K1205452-001
Analysis Method: SM 4500-NH3 E

Units: mg/L
Basis: NA

Matrix Spike
K1205452-001MS2

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	0.051	10.2	10.0	101	80-115

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COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

Date Collected: N/A

Date Received: N/A

Date Analyzed: 06/11/12

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name: Batch QC
Lab Code: K1205587-001
Analysis Method: SM 4500-NH3 E

Units: mg/L

Basis: NA

Matrix Spike
K1205587-001MS4

<u>Analyte Name</u>	<u>Sample Result</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Ammonia as Nitrogen	ND	9.83	10.0	98	80-115

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COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

Date Collected: N/A

Date Received: N/A

Date Analyzed: 06/11/12

Matrix Spike Summary

Ammonia as Nitrogen

Sample Name: Batch QC
Lab Code: K1205587-007
Analysis Method: SM 4500-NH3 E

Units: mg/L

Basis: NA

Matrix Spike

K1205587-007MS5

<u>Analyte Name</u>	<u>Sample Result</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Ammonia as Nitrogen	ND	10.2	10.0	102	80-115

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Analyzed: 06/11/12

Lab Control Sample Summary
Ammonia as Nitrogen

Analysis Method: SM 4500-NH3 E

Units: mg/L

Basis: NA

Analysis Lot: 295524

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1205520-LCS3	14.3	13.9	103	80-115
Lab Control Sample	K1205520-LCS4	13.6	13.9	98	80-115

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: SM 4500-S2- D

Service Request: K1205520
Date Collected: 06/06/12 - 06/07/12
Date Received: 06/8/12
Units: mg/L
Basis: NA

Total Sulfide

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-15	K1205520-007	ND U	0.050	1	06/08/12 22:29	
D15	K1205520-008	ND U	0.050	1	06/08/12 22:29	
MW-14b	K1205520-009	ND U	0.050	1	06/08/12 22:29	
Method Blank	K1205520-MB1	ND U	0.050	1	06/08/12 22:29	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA
Date Analyzed: 06/08/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: Batch QC Units: mg/L
Lab Code: K1205452-001 Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1205452-001DUP3 Result	Average	RPD	RPD Limit
Total Sulfide	SM 4500-S2- D	0.050	ND	ND	NC	NC	20

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COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: N/A
Date Received: N/A
Date Analyzed: 06/8/12

Duplicate Matrix Spike Summary
Total Sulfide

Sample Name: Batch QC
Lab Code: K1205452-001
Analysis Method: SM 4500-S2- D

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1205452-001MS1		Duplicate Matrix Spike K1205452-001DMS1		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Total Sulfide	ND	1.69	1.77	96	1.70	1.77	96	70-120	<1	20

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Analyzed: 06/08/12

Lab Control Sample Summary
Total Sulfide

Analysis Method: SM 4500-S2- D

Units: mg/L

Basis: NA

Analysis Lot: 295328

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1205520-LCS3	1.63	1.77	92	89-106

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: SM 5310 C

Service Request: K1205520
Date Collected: 06/06/12 - 06/07/12
Date Received: 06/8/12

Units: mg/L
Basis: NA

Carbon, Total Organic

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-19	K1205520-006	0.71	0.50	1	06/13/12 10:00	
MW-15	K1205520-007	1.38	0.50	1	06/13/12 10:00	
D15	K1205520-008	1.29	0.50	1	06/13/12 10:00	
MW-14b	K1205520-009	0.65	0.50	1	06/13/12 10:00	
MW-18	K1205520-010	0.59	0.50	1	06/13/12 10:00	
MW-23	K1205520-011	0.73	0.50	1	06/13/12 10:00	
MW-24	K1205520-012	0.74	0.50	1	06/13/12 10:00	
MW-17	K1205520-013	0.75	0.50	1	06/13/12 10:00	
Method Blank	K1205520-MB1	ND U	0.50	1	06/13/12 10:00	
Method Blank	K1205520-MB2	ND U	0.50	1	06/13/12 10:00	
Method Blank	K1205520-MB3	ND U	0.50	1	06/18/12 18:17	
Method Blank	K1205520-MB4	ND U	0.50	1	06/18/12 18:17	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water
Analysis Method: SM 5310 C

Service Request: K1205520
Date Collected: 06/06/12 - 06/07/12
Date Received: 06/08/12
Units: mg/L
Basis: NA

Duplicate Sample Summary
Carbon, Total Organic

Sample Name:	Lab Code:	MRL	Sample Result	Duplicate Result	Average	RPD	RPD Limit	Date Analyzed
MW-19	K1205520-006DUP10	0.50	0.71	0.78	0.744	9	10	06/13/12
MW-15	K1205520-007DUP11	0.50	1.38	1.41	1.39	2	10	06/13/12
D15	K1205520-008DUP12	0.50	1.29	1.34	1.32	4	10	06/13/12
MW-14b	K1205520-009DUP13	0.50	0.65	0.53	0.588	20 *	10	06/13/12
MW-18	K1205520-010DUP14	0.50	0.59	0.60	0.596	1	10	06/13/12
MW-23	K1205520-011DUP15	0.50	0.73	0.70	0.711	4	10	06/13/12
MW-24	K1205520-012DUP16	0.50	0.74	0.81	0.776	9	10	06/13/12
MW-17	K1205520-013DUP17	0.50	0.75	0.71	0.732	6	10	06/13/12

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: N/A
Date Received: N/A
Date Analyzed: 06/13/12

Matrix Spike Summary
Carbon, Total Organic

Sample Name: Batch QC
Lab Code: K1205452-001
Analysis Method: SM 5310 C

Units: mg/L
Basis: NA

Matrix Spike
K1205452-001MS2

<u>Analyte Name</u>	<u>Sample Result</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Carbon, Total Organic	0.66	25.7	25.0	100	83-117

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: N/A
Date Received: N/A
Date Analyzed: 06/13/12

Matrix Spike Summary
Carbon, Total Organic

Sample Name: Batch QC
Lab Code: K1205587-001
Analysis Method: SM 5310 C

Units: mg/L
Basis: NA

Matrix Spike
K1205587-001MS4

<u>Analyte Name</u>	<u>Sample Result</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Carbon, Total Organic	ND	25.7	25.0	103	83-117

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Analyzed: 06/18/12

Duplicate Lab Control Sample Summary
General Chemistry Parameters

Analysis Method: SM 5310 C

Units: mg/L
Basis: NA
Analysis Lot: 296664

Lab Control Sample
K1205520-LCS1

Duplicate Lab Control Sample
K1205520-DLCS1

Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Carbon, Total Organic	22.1	22.7	97	21.9	22.7	96	83-117	1	10

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Analyzed: 06/18/12

Duplicate Lab Control Sample Summary
General Chemistry Parameters

Analysis Method: SM 5310 C

Units: mg/L
Basis: NA
Analysis Lot: 296664

Lab Control Sample
K1205520-LCS2

Duplicate Lab Control Sample
K1205520-DLCS2

<u>Analyte Name</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>RPD</u>	<u>RPD Limit</u>
Carbon, Total Organic	22.2	22.7	98	22.0	22.7	97	83-117	1	10

COLUMBIA ANALYTICAL SERVICES, INC.
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INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services
Project Name: City of Walla Walla Sudbury Road Landfill Remedial
Project No.:

Service Request: K1205520

<u>Sample Name:</u>	<u>Lab Code:</u>
Batch QC1D	K1205452-001D
Batch QC2D	K1205452-001DISSD
Batch QC2S	K1205452-001DISSS
Batch QC1S	K1205452-001S
MW-19	K1205520-006DISS
MW-15	K1205520-007
MW-15	K1205520-007DISS
D15	K1205520-008
D15	K1205520-008DISS
MW-14h	K1205520-009
MW-14h	K1205520-009DISS
MW-18	K1205520-010DISS
MW-23	K1205520-011DISS
MW-24	K1205520-012DISS
MW-17	K1205520-013DISS
Method Blank	K1205520-MB

Comments:

Approved By:



Date:



Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services **Service Request:** K1205520
Project No.: NA **Date Collected:** 06/06/12
Project Name: City of Walla Walla Sudbury Roa **Date Received:** 06/08/12
Matrix: WATER **Units:** ug/L
Basis: NA

Sample Name: MW-15 **Lab Code:** K1205520-007

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Mercury	7470A	0.2	1.0	06/18/12	06/19/12	0.2	U	
Nickel	6010C	2.0	1.0	06/11/12	06/20/12	8.5		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services **Service Request:** K1205520
Project No.: NA **Date Collected:** 06/06/12
Project Name: City of Walla Walla Sudbury Roa **Date Received:** 06/08/12
Matrix: WATER **Units:** ug/L
Basis: NA

Sample Name: D15 **Lab Code:** K1205520-008

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Mercury	7470A	0.2	1.0	06/18/12	06/19/12	0.2	U	
Nickel	6010C	2.0	1.0	06/11/12	06/20/12	8.0		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services **Service Request:** K1205520
Project No.: NA **Date Collected:** 06/07/12
Project Name: City of Walla Walla Sudbury Roa **Date Received:** 06/08/12
Matrix: WATER **Units:** ug/L
Basis: NA

Sample Name: MW-14b **Lab Code:** K1205520-009

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Mercury	7470A	0.2	1.0	06/18/12	06/19/12	0.2	U	
Nickel	6010C	2.0	1.0	06/11/12	06/20/12	9.2		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services **Service Request:** K1205520
Project No.: NA **Date Collected:** 06/07/12
Project Name: City of Walla Walla Sudbury Roa **Date Received:** 06/08/12
Matrix: WATER **Units:** ug/L
Basis: NA

Sample Name: MW-18

Lab Code: K1205520-010DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	06/11/12	06/20/12	121000		
Iron	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Magnesium	6010C	20.0	1.0	06/11/12	06/20/12	51200		
Manganese	6010C	5.0	1.0	06/11/12	06/20/12	17.5		
Potassium	6010C	400	1.0	06/11/12	06/20/12	8170		
Sodium	6010C	200	1.0	06/11/12	06/20/12	28400		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services **Service Request:** K1205520
Project No.: NA **Date Collected:** 06/07/12
Project Name: City of Walla Walla Sudbury Roa **Date Received:** 06/08/12
Matrix: WATER **Units:** ug/L
Basis: NA

Sample Name: MW-23 **Lab Code:** K1205520-011DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	06/11/12	06/20/12	109000		
Iron	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Magnesium	6010C	20.0	1.0	06/11/12	06/20/12	44500		
Manganese	6010C	5.0	1.0	06/11/12	06/20/12	25.3		
Potassium	6010C	400	1.0	06/11/12	06/20/12	7650		
Sodium	6010C	200	1.0	06/11/12	06/20/12	25400		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services **Service Request:** K1205520
Project No.: NA **Date Collected:** 06/07/12
Project Name: City of Walla Walla Sudbury Roa **Date Received:** 06/08/12
Matrix: WATER **Units:** ug/L
Basis: NA

Sample Name: MW-24 **Lab Code:** K1205520-012DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	06/11/12	06/20/12	100000		
Iron	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Magnesium	6010C	20.0	1.0	06/11/12	06/20/12	41900		
Manganese	6010C	5.0	1.0	06/11/12	06/20/12	146		
Potassium	6010C	400	1.0	06/11/12	06/20/12	7540		
Sodium	6010C	200	1.0	06/11/12	06/20/12	25900		

Comments:

Metals
 - 5A -
SPIKE SAMPLE RECOVERY

Client: Schwyn Environmental Services Service Request: K1205520
 Project No.: NA Units: UG/L
 Project Name: City of Walla Walla Sudbury Roa Basis: NA
 Matrix: WATER

Sample Name: Batch QC1S

Lab Code: K1205452-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Antimony	86 - 116	479		10.0	U	500.00	95.8		6010C
Arsenic	79 - 121	949		10.0	U	1000.00	94.9		6010C
Barium	80 - 124	2000		67.3		2000.00	96.6		6010C
Beryllium	87 - 114	48.8		0.2	U	50.00	97.6		6010C
Cadmium	75 - 125	47.2		0.5	U	50.00	94.4		6010C
Calcium		99000		90000		10000.00	90.0		6010C
Chromium	89 - 117	194		2.0	U	200.00	97.0		6010C
Cobalt	88 - 117	480		1.0	U	500.00	96.0		6010C
Copper	86 - 113	233		2.0	U	250.00	93.2		6010C
Iron	75 - 125	967		20.0	U	1000.00	96.7		6010C
Lead	75 - 125	493		10.0	U	500.00	98.6		6010C
Magnesium	75 - 125	45000		35400		10000.00	96.0		6010C
Manganese	84 - 121	480		5.0	U	500.00	96.0		6010C
Mercury	76 - 126	1.00		0.2	U	1.00	100.0		7470A
Potassium	75 - 125	17900		8020		10000.00	98.8		6010C
Selenium	82 - 119	913		20.0	U	1000.00	91.3		6010C
Silver	79 - 120	47.0		2.0	U	50.00	94.0		6010C
Sodium	75 - 125	46300		36500		10000.00	98.0		6010C
Thallium	75 - 125	1010		10.0	U	1000.00	101.0		6010C
Tin	75 - 125	10300		10.0	U	10000.00	103.0		6010C
Vanadium	89 - 115	518		13.7		500.00	100.9		6010C
Zinc	87 - 113	462		2.0	U	500.00	92.4		6010C

An empty field in the Control Limit column indicates the control limit is not applicable

Metals
 - 5A -
SPIKE SAMPLE RECOVERY

Client: Schwyn Environmental Services Service Request: K1205520
 Project No.: NA Units: UG/L
 Project Name: City of Walla Walla Sudbury Roa Basis: NA
 Matrix: WATER

Sample Name: Batch QC2S

Lab Code: K1205452-001DISSS

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Antimony	86 - 116	474		10.0	U	500.00	94.8		6010C
Arsenic	79 - 121	952		10.0	U	1000.00	95.2		6010C
Barium	80 - 124	2010		66.9		2000.00	97.2		6010C
Beryllium	87 - 114	48.7		0.2	U	50.00	97.4		6010C
Cadmium	75 - 125	47.5		0.5	U	50.00	95.0		6010C
Calcium		98500		89400		10000.00	91.0		6010C
Chromium	89 - 117	196		2.0	U	200.00	98.0		6010C
Cobalt	88 - 117	480		1.0	U	500.00	96.0		6010C
Copper	86 - 113	231		2.0	U	250.00	92.4		6010C
Iron	75 - 125	963		20.0	U	1000.00	96.3		6010C
Lead	75 - 125	498		10.0	U	500.00	99.6		6010C
Magnesium	75 - 125	44400		35400		10000.00	90.0		6010C
Manganese	84 - 121	484		5.0	U	500.00	96.8		6010C
Potassium	75 - 125	17600		8010		10000.00	95.9		6010C
Selenium	82 - 119	919		20.0	U	1000.00	91.9		6010C
Silver	79 - 120	46.8		2.0	U	50.00	93.6		6010C
Sodium	75 - 125	45400		36700		10000.00	87.0		6010C
Thallium	75 - 125	1020		10.0	U	1000.00	102.0		6010C
Tin	75 - 125	10400		10.0	U	10000.00	104.0		6010C
Vanadium	89 - 115	521		14.2		500.00	101.4		6010C
Zinc	87 - 113	468		2.0	U	500.00	93.6		6010C

An empty field in the Control Limit column indicates the control limit is not applicable

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Metals
- 6 -
DUPLICATES

Client: Schwyn Environmental Services Service Request: K1205520
Project No.: NA Units: UG/L
Project Name: City of Walla Walla Sudbury Roa Basis: NA
Matrix: WATER

Sample Name: Batch QC1D

Lab Code: K1205452-001D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony		10.0	U	10.0	U			6010C
Arsenic		10.0	U	10.0	U			6010C
Barium	20	67.3		67.1		0.3		6010C
Beryllium		0.2	U	0.2	U			6010C
Cadmium		0.5	U	0.5	U			6010C
Calcium	20	90000		89100		1.0		6010C
Chromium		2.0	U	2.0	U			6010C
Cobalt		1.0	U	1.0	U			6010C
Copper		2.0	U	2.0	U			6010C
Iron		20.0	U	20.0	U			6010C
Lead		10.0	U	10.0	U			6010C
Magnesium	20	35400		35600		0.6		6010C
Manganese		5.0	U	5.0	U			6010C
Mercury		0.2	U	0.2	U			7470A
Potassium	20	8020		8070		0.6		6010C
Selenium		20.0	U	20.0	U			6010C
Silver		2.0	U	2.0	U			6010C
Sodium	20	36500		36800		0.8		6010C
Thallium		10.0	U	10.0	U			6010C
Tin		10.0	U	10.0	U			6010C
Vanadium	20	13.7		13.4		2.2		6010C
Zinc		2.0	U	2.0	U			6010C

An empty field in the Control Limit column indicates the control limit is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Metals

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DUPLICATES

Client: Schwyn Environmental Services

Service Request: K1205520

Project No.: NA

Units: UG/L

Project Name: City of Walla Walla Sudbury Roa

Basis: NA

Matrix: WATER

Sample Name: Batch QC2D

Lab Code: K1205452-001DISSD

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony		10.0	U	10.0	U			6010C
Arsenic		10.0	U	10.0	U			6010C
Barium	20	66.9		66.2		1.1		6010C
Beryllium		0.2	U	0.2	U			6010C
Cadmium		0.5	U	0.5	U			6010C
Calcium	20	89400		88600		0.9		6010C
Chromium		2.0	U	2.0	U			6010C
Cobalt		1.0	U	1.0	U			6010C
Copper		2.0	U	2.0	U			6010C
Iron		20.0	U	20.0	U			6010C
Lead		10.0	U	10.0	U			6010C
Magnesium	20	35400		35100		0.9		6010C
Manganese		5.0	U	5.0	U			6010C
Potassium	20	8010		7910		1.3		6010C
Selenium		20.0	U	20.0	U			6010C
Silver		2.0	U	2.0	U			6010C
Sodium	20	36700		36300		1.1		6010C
Thallium		10.0	U	10.0	U			6010C
Tin		10.0	U	10.0	U			6010C
Vanadium	20	14.2		13.6		4.3		6010C
Zinc		2.0	U	2.0	U			6010C

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

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LABORATORY CONTROL SAMPLE

Client: Schwyn Environmental Services

Service Request: K1205520

Project No.: NA

Project Name: City of Walla Walla Sudbury Roa

Aqueous LCS Source: CAS MIXED

Solid LCS Source:

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Antimony	2500	2450	98.0					
Arsenic	2500	2400	96.0					
Barium	5000	4890	97.8					
Beryllium	125	123	98.4					
Cadmium	1250	1210	96.8					
Calcium	12500	12200	97.6					
Chromium	500	493	98.6					
Cobalt	1250	1240	99.2					
Copper	625	604	96.6					
Iron	2500	2380	95.2					
Lead	2500	2470	98.8					
Magnesium	12500	12200	97.6					
Manganese	1250	1240	99.2					
Mercury	5	5.16	103.2					
Potassium	12500	12300	98.4					
Selenium	2500	2370	94.8					
Silver	625	587	93.9					
Sodium	12500	12400	99.2					
Thallium	2500	2540	101.6					
Tin	10000	10000	100.0					
Vanadium	1250	1260	100.8					
Zinc	1250	1190	95.2					

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Organochlorine Pesticides

Sample Name: MW-15
Lab Code: K1205520-007
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
beta-BHC	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
gamma-BHC (Lindane)	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
delta-BHC	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Heptachlor	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Aldrin	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Heptachlor Epoxide	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Endosulfan I	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Dieldrin	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDE	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Endrin	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Endosulfan II	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDD	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Endrin Aldehyde	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Endosulfan Sulfate	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDT	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Methoxychlor	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Toxaphene	ND	U	0.50	1	06/13/12	06/15/12	KWG1206513	
Chlordane	ND	U	0.20	1	06/13/12	06/15/12	KWG1206513	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	85	20-106	06/15/12	Acceptable
Decachlorobiphenyl	100	19-127	06/15/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Organochlorine Pesticides

Sample Name: D15
Lab Code: K1205520-008
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
beta-BHC	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
gamma-BHC (Lindane)	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
delta-BHC	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Heptachlor	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Aldrin	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Heptachlor Epoxide	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Endosulfan I	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Dieldrin	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDE	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Endrin	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Endosulfan II	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDD	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Endrin Aldehyde	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Endosulfan Sulfate	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDT	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Methoxychlor	ND	U	0.010	1	06/13/12	06/15/12	KWG1206513	
Toxaphene	ND	U	0.50	1	06/13/12	06/15/12	KWG1206513	
Chlordane	ND	U	0.20	1	06/13/12	06/15/12	KWG1206513	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	20-106	06/15/12	Acceptable
Decachlorobiphenyl	94	19-127	06/15/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Organochlorine Pesticides

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
beta-BHC	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
gamma-BHC (Lindane)	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
delta-BHC	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Heptachlor	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Aldrin	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Heptachlor Epoxide	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endosulfan I	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Dieldrin	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDE	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endrin	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endosulfan II	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDD	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endrin Aldehyde	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endosulfan Sulfate	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDT	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Methoxychlor	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Toxaphene	ND	U	0.49	1	06/13/12	06/15/12	KWG1206513	
Chlordane	ND	U	0.20	1	06/13/12	06/15/12	KWG1206513	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	20-106	06/15/12	Acceptable
Decachlorobiphenyl	91	19-127	06/15/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG1206513-6
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
beta-BHC	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
gamma-BHC (Lindane)	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
delta-BHC	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Heptachlor	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Aldrin	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Heptachlor Epoxide	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endosulfan I	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Dieldrin	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDE	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endrin	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endosulfan II	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDD	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endrin Aldehyde	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endosulfan Sulfate	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDT	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Methoxychlor	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Toxaphene	ND	U	0.49	1	06/13/12	06/15/12	KWG1206513	
Chlordane	ND	U	0.20	1	06/13/12	06/15/12	KWG1206513	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylenc	74	20-106	06/15/12	Acceptable
Decachlorobiphenyl	91	19-127	06/15/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

Surrogate Recovery Summary
Organochlorine Pesticides

Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
Batch QC	K1205452-001	88	105
MW-15	K1205520-007	85	100
D15	K1205520-008	76	94
MW-14b	K1205520-009	75	91
Method Blank	KWG1206513-6	74	91
Batch QCMS	KWG1206513-1	74	91
Batch QCDMS	KWG1206513-2	74	91
Lab Control Sample	KWG1206513-3	74	87
Lab Control Sample	KWG1206513-4	70	91
Duplicate Lab Control Sample	KWG1206513-5	69	79

Surrogate Recovery Control Limits (%)

Sur1 = Tetrachloro-m-xylene 20-106
Sur2 = Decachlorobiphenyl 19-127

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Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/15/2012

Matrix Spike/Duplicate Matrix Spike Summary
Organochlorine Pesticides

Sample Name: Batch QC
Lab Code: K1205452-001
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206513

Analyte Name	Sample Result	Batch QCMS KWG1206513-1 Matrix Spike			Batch QCMS KWG1206513-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
alpha-BHC	ND	0.174	0.196	89	0.179	0.196	91	31-123	3	30
beta-BHC	ND	0.164	0.196	83	0.169	0.196	86	31-118	3	30
gamma-BHC (Lindane)	ND	0.177	0.196	90	0.182	0.196	93	31-123	3	30
delta-BHC	ND	0.188	0.196	96	0.194	0.196	99	40-129	3	30
Heptachlor	ND	0.174	0.196	89	0.184	0.196	94	23-124	6	30
Aldrin	ND	0.133	0.196	68	0.150	0.196	76	18-111	12	30
Heptachlor Epoxide	ND	0.171	0.196	87	0.176	0.196	90	28-122	3	30
Endosulfan I	ND	0.139	0.196	71	0.145	0.196	74	17-118	4	30
Dieldrin	ND	0.171	0.196	87	0.176	0.196	90	32-121	3	30
4,4'-DDE	ND	0.166	0.196	85	0.173	0.196	88	24-129	4	30
Endrin	ND	0.173	0.196	88	0.186	0.196	95	34-133	8	30
Endosulfan II	ND	0.154	0.196	79	0.159	0.196	81	19-122	3	30
4,4'-DDD	ND	0.170	0.196	87	0.177	0.196	90	29-125	4	30
Endrin Aldehyde	ND	0.169	0.196	86	0.172	0.196	88	10-108	2	30
Endosulfan Sulfate	ND	0.172	0.196	88	0.176	0.196	90	30-120	2	30
4,4'-DDT	ND	0.184	0.196	94	0.190	0.196	97	28-139	3	30
Methoxychlor	ND	0.182	0.196	93	0.189	0.196	96	30-137	4	30

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/15/2012

**Lab Control Spike Summary
 Organochlorine Pesticides**

Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206513

Analyte Name	Lab Control Sample KWG1206513-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
alpha-BHC	0.178	0.200	89	36-122
beta-BHC	0.166	0.200	83	42-125
gamma-BHC (Lindane)	0.179	0.200	90	44-117
delta-BHC	0.191	0.200	96	48-123
Heptachlor	0.180	0.200	90	40-115
Aldrin	0.139	0.200	69	10-102
Heptachlor Epoxide	0.173	0.200	87	49-109
Endosulfan I	0.141	0.200	71	35-115
Dieldrin	0.173	0.200	86	50-115
4,4'-DDE	0.167	0.200	83	41-116
Endrin	0.180	0.200	90	48-126
Endosulfan II	0.154	0.200	77	28-128
4,4'-DDD	0.172	0.200	86	33-132
Endrin Aldehyde	0.157	0.200	78	27-104
Endosulfan Sulfate	0.169	0.200	84	38-118
4,4'-DDT	0.183	0.200	92	42-143
Methoxychlor	0.176	0.200	88	43-143

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sndbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/15/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Organochlorine Pesticides**

Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206513

Analyte Name	Lab Control Sample KWG1206513-4 Lab Control Spike			Duplicate Lab Control Sample KWG1206513-5 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Chlordane	2.22	2.00	111	1.91	2.00	96	45-148	15	30
Toxaphene	1.85	2.00	92	1.87	2.00	94	36-137	1	30

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Polychlorinated Biphenyls (PCBs)

Sample Name: MW-15
Lab Code: K1205520-007
Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1221	ND	U	0.40	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1232	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1242	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1248	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1254	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1260	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1262	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	111	36-113	06/17/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Polychlorinated Biphenyls (PCBs)

Sample Name: D15
Lab Code: K1205520-008
Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1221	ND	U	0.40	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1232	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1242	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1248	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1254	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1260	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1262	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	104	36-113	06/17/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Polychlorinated Biphenyls (PCBs)

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1221	ND	U	0.39	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1232	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1242	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1248	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1254	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1260	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1262	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	113	36-113	06/17/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG1206512-4
Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1221	ND	U	0.39	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1232	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1242	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1248	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1254	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1260	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1262	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	101	36-113	06/17/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

**Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)**

Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
Batch QC	K1205452-001	105
MW-15	K1205520-007	111
D15	K1205520-008	104
MW-14b	K1205520-009	113
Method Blank	KWG1206512-4	101
Batch QCMS	KWG1206512-1	98
Batch QCDMS	KWG1206512-2	102
Lab Control Sample	KWG1206512-3	91

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 36-113

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Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/17/2012

**Matrix Spike/Duplicate Matrix Spike Summary
 Polychlorinated Biphenyls (PCBs)**

Sample Name: Batch QC
Lab Code: K1205452-001
Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206512

Analyte Name	Sample Result	Batch QCMS KWG1206512-1 Matrix Spike			Batch QCDMS KWG1206512-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Aroclor 1016	ND	1.85	1.96	94	1.72	1.96	88	31-118	7	30
Aroclor 1260	ND	1.86	1.96	95	1.75	1.96	89	47-115	6	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/17/2012

Lab Control Spike Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206512

Lab Control Sample
KWG1206512-3
Lab Control Spike

Analyte Name	Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Aroclor 1016	1.67	2.00	83	41-113
Aroclor 1260	1.74	2.00	87	47-117

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Organophosphorus Pesticides

Sample Name: MW-15
Lab Code: K1205520-007
Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phorate	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Sulfotep	ND	U	0.20	1	06/13/12	06/24/12	KWG1206535	
Disulfoton	ND	U	0.98	1	06/13/12	06/24/12	KWG1206535	
Dimethoate	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Methyl Parathion	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Ethyl Parathion	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tributyl Phosphate	100	54-115	06/24/12	Acceptable
Triphenyl Phosphate	86	57-112	06/24/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Organophosphorus Pesticides

Sample Name: D15
Lab Code: K1205520-008
Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phorate	ND	U	0.50	1	06/13/12	06/24/12	KWG1206535	
Sulfotep	ND	U	0.20	1	06/13/12	06/24/12	KWG1206535	
Disulfoton	ND	U	0.99	1	06/13/12	06/24/12	KWG1206535	
Dimethoate	ND	U	0.50	1	06/13/12	06/24/12	KWG1206535	
Methyl Parathion	ND	U	0.50	1	06/13/12	06/24/12	KWG1206535	
Ethyl Parathion	ND	U	0.50	1	06/13/12	06/24/12	KWG1206535	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tributyl Phosphate	99	54-115	06/24/12	Acceptable
Triphenyl Phosphate	93	57-112	06/24/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Organophosphorus Pesticides

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phorate	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Sulfotep	ND	U	0.20	1	06/13/12	06/24/12	KWG1206535	
Disulfotou	ND	U	0.98	1	06/13/12	06/24/12	KWG1206535	
Dimethoate	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Methyl Parathion	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Ethyl Parathion	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tributyl Phosphate	105	54-115	06/24/12	Acceptable
Triphenyl Phosphate	96	57-112	06/24/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Organophosphorus Pesticides

Sample Name: Method Blank
Lab Code: KWG1206535-6
Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phorate	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Sulfotep	ND	U	0.20	1	06/13/12	06/24/12	KWG1206535	
Disulfoton	ND	U	0.98	1	06/13/12	06/24/12	KWG1206535	
Dimethoate	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Methyl Parathion	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Ethyl Parathion	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tributyl Phosphate	104	54-115	06/24/12	Acceptable
Triphenyl Phosphate	86	57-112	06/24/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

Surrogate Recovery Summary
Organophosphorus Pesticides

Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
Batch QC	K1205452-001	107	95
MW-15	K1205520-007	100	86
D15	K1205520-008	99	93
MW-14b	K1205520-009	105	96
Method Blank	KWG1206535-6	104	86
Batch QCMS	KWG1206535-1	102	85
Batch QCDMS	KWG1206535-2	98	89
Lab Control Sample	KWG1206535-3	98	81
Lab Control Sample	KWG1206535-4	102	86
Duplicate Lab Control Sample	KWG1206535-5	100	88

Surrogate Recovery Control Limits (%)

Sur1 = Tributyl Phosphate 54-115
Sur2 = Triphenyl Phosphate 57-112

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/24/2012

**Matrix Spike/Duplicate Matrix Spike Summary
 Organophosphorus Pesticides**

Sample Name: Batch QC
Lab Code: K1205452-001
Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206535

Analyte Name	Sample Result	Batch QCMS KWG1206535-1 Matrix Spike			Batch QCDMS KWG1206535-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Sulfotep	ND	1.65	1.98	83	1.65	1.96	84	40-111	0	30
Methyl Parathion	ND	2.31	1.98	116	2.21	1.96	113	44-127	4	30
Ethyl Parathion	ND	1.91	1.98	96	1.90	1.96	97	46-127	0	30

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/24/2012

Lab Control Spike Summary
Organophosphorus Pesticides

Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206535

Analyte Name	Lab Control Sample KWG1206535-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Sulfotep	1.57	2.00	78	40-111
Methyl Parathion	2.16	2.00	108	44-127
Ethyl Parathion	1.74	2.00	87	46-127

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/24/2012 -
 06/26/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Organophosphorus Pesticides**

Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206535

Analyte Name	Lab Control Sample KWG1206535-4 Lab Control Spike			Duplicate Lab Control Sample KWG1206535-5 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Phorate	2.05	2.00	102	1.97	2.00	98	29-128	4	30
Disulfoton	2.24	2.00	112	2.09	2.00	104	33-119	7	30
Dimethoate	1.90	2.00	95	2.00	2.00	100	35-132	5	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Chlorinated Herbicides

Sample Name: MW-15
Lab Code: K1205520-007

Units: ug/L

Basis: NA

Extraction Method: METHOD

Level: Low

Analysis Method: 8151A

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,4-D	ND	U	0.42	1	06/13/12	06/22/12	KWG1206627	
2,4,5-TP (Silvex)	ND	U	0.21	1	06/13/12	06/22/12	KWG1206627	
2,4,5-T	ND	U	0.21	1	06/13/12	06/22/12	KWG1206627	
Dinoseb	ND	U	0.21	1	06/13/12	06/22/12	KWG1206627	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4-Dichlorophenylacetic Acid	75	17-113	06/22/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Chlorinated Herbicides

Sample Name: D15
Lab Code: K1205520-008
Extraction Method: METHOD
Analysis Method: 8151A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,4-D	ND	U	0.40	1	06/13/12	06/22/12	KWG1206627	
2,4,5-TP (Silvex)	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	
2,4,5-T	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	
Dinoseb	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4-Dichlorophenylacetic Acid	71	17-113	06/22/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sndbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Chlorinated Herbicides

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: METHOD
Analysis Method: 8151A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,4-D	ND	U	0.40	1	06/13/12	06/22/12	KWG1206627	
2,4,5-TP (Silvex)	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	
2,4,5-T	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	
Dinoseb	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4-Dichlorophenylacetic Acid	73	17-113	06/22/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Chlorinated Herbicides

Sample Name: Method Blank
Lah Code: KWG1206627-6
Extraction Method: METHOD
Analysis Method: 8151A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,4-D	ND	U	0.39	1	06/13/12	06/22/12	KWG1206627	
2,4,5-TP (Silvex)	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	
2,4,5-T	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	
Dinoseb	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4-Dichlorophenylacetic Acid	69	17-113	06/22/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

Surrogate Recovery Summary
Chlorinated Herbicides

Extraction Method: METHOD
Analysis Method: 8151A

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
Batch QC	K1205452-001	71
MW-15	K1205520-007	75
D15	K1205520-008	71
MW-14b	K1205520-009	73
Batch QC	K1205521-001	74
Method Blank	KWG1206627-6	69
Batch QCMS	KWG1206627-1	68
Batch QCDMS	KWG1206627-2	66
Batch QCMS	KWG1206627-3	75
Batch QCDMS	KWG1206627-4	81
Lab Control Sample	KWG1206627-5	82

Surrogate Recovery Control Limits (%)

Sur1 = 2,4-Dichlorophenylacetic Acid 17-113

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/22/2012

Matrix Spike/Duplicate Matrix Spike Summary
Chlorinated Herbicides

Sample Name: Batch QC
Lab Code: K1205521-001
Extraction Method: METHOD
Analysis Method: 8151A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206627

Analyte Name	Sample Result	Batch QCMS KWG1206627-1 Matrix Spike			Batch QCDMS KWG1206627-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
2,4-D	ND	1.56	2.53	62	1.45	2.45	59	41-108	7	30
2,4,5-TP (Silvex)	ND	1.71	2.53	68	1.61	2.45	66	44-108	6	30
2,4,5-T	ND	1.70	2.53	67	1.58	2.45	65	31-106	7	30
Dinoseb	ND	1.40	2.53	55	1.35	2.45	55	44-81	3	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/22/2012

**Matrix Spike/Duplicate Matrix Spike Summary
 Chlorinated Herbicides**

Sample Name: Batch QC
Lab Code: K1205452-001
Extraction Method: METHOD
Analysis Method: 8151A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206627

Analyte Name	Sample Result	Batch QCMS KWG1206627-3 Matrix Spike			Batch QCDMS KWG1206627-4 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
2,4-D	ND	1.57	2.43	65	1.64	2.40	68	41-108	4	30
2,4,5-TP (Silvex)	ND	1.72	2.43	71	1.79	2.40	75	44-108	5	30
2,4,5-T	ND	1.70	2.43	70	1.77	2.40	74	31-106	4	30
Dinoseb	ND	1.18	2.43	49	1.54	2.40	64	44-81	26	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/22/2012

Lab Control Spike Summary
Chlorinated Herbicides

Extraction Method: METHOD
Analysis Method: 8151A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206627

Lab Control Sample
KWG1206627-5
Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
2,4-D	1.68	2.50	67	35-110
2,4,5-TP (Silvex)	1.79	2.50	71	37-114
2,4,5-T	1.80	2.50	72	30-120
Dinoseb	1.42	2.50	57	11-105

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Camp
Lab Code: K1205520-001
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Chloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichlorofluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acetone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Iodomethane	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Carbon Disulfide	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
Methylene Chloride	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Acrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Acetate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
2-Butanone (MEK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Bromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Carbon Tetrachloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Benzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichloroethene (TCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromodichloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Toluene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,2-Trichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Tetrachloroethene (PCE)	0.86	U	0.50	1	06/18/12	06/18/12	KWG1206609	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Camp
Lab Code: K1205520-001
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Dibromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Chlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethylbenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
m,p-Xylenes	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
o-Xylene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Styrene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromoform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
1,2,3-Trichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,4-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	79	73-122	06/18/12	Acceptable
Toluene-d8	89	65-144	06/18/12	Acceptable
4-Bromofluorobenzene	78	68-117	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: C2
Lab Code: K1205520-002
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Chloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichlorofluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acetone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Iodomethane	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Carbon Disulfide	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
Methylene Chloride	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Acrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Acetate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
2-Butanone (MEK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Bromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Carbon Tetrachloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Benzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichloroethene (TCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromodichloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Toluene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,2-Trichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Tetrachloroethene (PCE)	0.81	U	0.50	1	06/18/12	06/18/12	KWG1206609	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: C2
Lab Code: K1205520-002
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Dibromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Chlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethylbenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
m,p-Xylenes	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
o-Xylene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Styrene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromoform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
1,2,3-Trichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,4-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	79	73-122	06/18/12	Acceptable
Toluene-d8	89	65-144	06/18/12	Acceptable
4-Bromofluorobenzene	77	68-117	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Schmidt
Lab Code: K1205520-003
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Chloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichlorofluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acetone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Iodomethane	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Carbon Disulfide	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
Methylene Chloride	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Acrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Acetate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
2-Butanone (MEK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Bromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Carbon Tetrachloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Benzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichloroethene (TCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromodichloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Toluene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,2-Trichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Tetrachloroethene (PCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Schmidt
Lab Code: K1205520-003

Units: ug/L

Basis: NA

Extraction Method: EPA 5030B

Level: Low

Analysis Method: 8260C

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Dibromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Chlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethylbenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
m,p-Xylenes	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
o-Xylene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Styrene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromoform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
1,2,3-Trichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,4-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	79	73-122	06/18/12	Acceptable
Toluene-d8	89	65-144	06/18/12	Acceptable
4-Bromofluorobenzene	79	68-117	06/18/12	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Small
Lab Code: K1205520-004
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Chloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichlorofluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acetone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Iodomethane	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Carbon Disulfide	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
Methylene Chloride	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Acrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Acetate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
2-Butanone (MEK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Bromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Carbon Tetrachloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Benzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichloroethene (TCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromodichloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Toluene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,2-Trichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Tetrachloroethene (PCE)	1.4		0.50	1	06/18/12	06/18/12	KWG1206609	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Small
Lab Code: K1205520-004
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: µg/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Dibromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Chlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethylbenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
m,p-Xylenes	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
o-Xylene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Styrene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromoform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
1,2,3-Trichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,4-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	80	73-122	06/18/12	Acceptable
Toluene-d8	90	65-144	06/18/12	Acceptable
4-Bromofluorobenzene	78	68-117	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Kinman
Lab Code: K1205520-005
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Chloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichlorofluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acetone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Iodomethane	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Carbon Disulfide	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
Methylene Chloride	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Acrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Acetate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
2-Butanone (MEK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Bromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Carbon Tetrachloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Benzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichloroethene (TCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromodichloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Toluene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,2-Trichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Tetrachloroethene (PCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Kinman
Lab Code: K1205520-005
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Dibromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Chlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethylbenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
m,p-Xylenes	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
o-Xylene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Styrene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromoform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
1,2,3-Trichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,4-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	80	73-122	06/18/12	Acceptable
Toluene-d8	89	65-144	06/18/12	Acceptable
4-Bromofluorobenzene	76	68-117	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-19
Lab Code: K1205520-006

Units: ug/L

Basis: NA

Extraction Method: EPA 5030B

Level: Low

Analysis Method: 8260C

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	1.4		0.50	1	06/18/12	06/18/12	KWG1206609	
Chloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Chloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichlorofluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acetone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Iodomethane	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Carbon Disulfide	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
Methylene Chloride	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Acrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethane	0.92		0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Acetate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
cis-1,2-Dichloroethene	9.0		0.50	1	06/18/12	06/18/12	KWG1206609	
2-Butanone (MEK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Bromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroform	0.52		0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Carbon Tetrachloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Benzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichloroethene (TCE)	1.3		0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromodichloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Toluene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,2-Trichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Tetrachloroethene (PCE)	1.8		0.50	1	06/18/12	06/18/12	KWG1206609	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-19
Lab Code: K1205520-006
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Dibromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Chlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethylbenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
m,p-Xylenes	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
o-Xylene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Styrene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromoform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
1,2,3-Trichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,4-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	81	73-122	06/18/12	Acceptable
Toluene-d8	89	65-144	06/18/12	Acceptable
4-Bromofluorobenzene	77	68-117	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-15
Lab Code: K1205520-007
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	2.8		0.50	1	06/18/12	06/18/12	KWG1206609	
Chloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Chloride	0.67		0.50	1	06/18/12	06/18/12	KWG1206609	
Bromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichlorofluoromethane	0.63		0.50	1	06/18/12	06/18/12	KWG1206609	
Acrolein	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acetone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Iodomethane	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Carbon Disulfide	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
3-Chloro-1-propene	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Acetonitrile	ND	U	50	1	06/18/12	06/18/12	KWG1206609	
Methylene Chloride	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Acrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethane	3.1		0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Acetate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Chloroprene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
2,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,2-Dichloroethene	9.1		0.50	1	06/18/12	06/18/12	KWG1206609	
2-Butanone (MEK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Propionitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Methacrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Bromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Carbon Tetrachloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Isobutyl Alcohol	ND	U	100	1	06/18/12	06/18/12	KWG1206609	*
Benzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichloroethene (TCE)	1.6		0.50	1	06/18/12	06/18/12	KWG1206609	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-15
Lab Code: K1205520-007
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Methyl Methacrylate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Bromodichloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Toluene	0.59		0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethyl Methacrylate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
1,1,2-Trichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Tetrachloroethene (PCE)	5.0		0.50	1	06/18/12	06/18/12	KWG1206609	
2-Hexanone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
1,3-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Chlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethylbenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
m,p-Xylenes	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
o-Xylene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Styrene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromoform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
1,2,3-Trichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,3-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,4-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	*
1,2,4-Trichlorobenzene	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-15
Lab Code: K1205520-007

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	82	73-122	06/18/12	Acceptable
Toluene-d8	88	65-144	06/18/12	Acceptable
4-Bromofluorobenzene	78	68-117	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: D15
Lab Code: K1205520-008

Units: ng/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260C

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	2.9		0.50	1	06/18/12	06/18/12	KWG1206609	
Chloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Chloride	0.62		0.50	1	06/18/12	06/18/12	KWG1206609	
Bromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichlorofluoromethane	0.65		0.50	1	06/18/12	06/18/12	KWG1206609	
Acrolein	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acetone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Iodomethane	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Carbon Disulfide	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
3-Chloro-1-propene	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Acetonitrile	ND	U	50	1	06/18/12	06/18/12	KWG1206609	
Methylene Chloride	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Acrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethane	3.0		0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Acetate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Chloroprene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
2,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,2-Dichloroethene	9.0		0.50	1	06/18/12	06/18/12	KWG1206609	
2-Butanone (MEK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Propionitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Methacrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Bromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Carbon Tetrachloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Isobutyl Alcohol	ND	U	100	1	06/18/12	06/18/12	KWG1206609	*
Benzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichloroethene (TCE)	1.6		0.50	1	06/18/12	06/18/12	KWG1206609	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: D15
Lab Code: K1205520-008
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Methyl Methacrylate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Bromodichloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Toluene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethyl Methacrylate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
1,1,2-Trichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Tetrachloroethene (PCE)	4.8		0.50	1	06/18/12	06/18/12	KWG1206609	
2-Hexanone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
1,3-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Chlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethylbenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
m,p-Xylenes	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
o-Xylene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Styrene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromoform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
1,2,3-Trichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,3-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,4-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	*
1,2,4-Trichlorobenzene	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: D15
Lab Code: K1205520-008

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	80	73-122	06/18/12	Acceptable
Toluene-d8	89	65-144	06/18/12	Acceptable
4-Bromofluorobenzene	77	68-117	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	0.56		0.50	1	06/19/12	06/19/12	KWG1206659	
Chloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Chloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichlorofluoromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Acrolein	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	*
Acetone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Iodomethane	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	*
Carbon Disulfide	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
3-Chloro-1-propene	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
Acetonitrile	ND	U	50	1	06/19/12	06/19/12	KWG1206659	*
Methylene Chloride	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Acrylonitrile	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Acetate	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
Chloroprene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
2,2-Dichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
2-Butanone (MEK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Propionitrile	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
Methacrylonitrile	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
Bromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroform	1.1		0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Carbon Tetrachloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Isobutyl Alcohol	ND	U	100	1	06/19/12	06/19/12	KWG1206659	*
Benzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichloroethene (TCE)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2-Dichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Dibromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Methyl Methacrylate	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
Bromodichloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Toluene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Ethyl Methacrylate	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
1,1,2-Trichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Tetrachloroethene (PCE)	0.67		0.50	1	06/19/12	06/19/12	KWG1206659	
2-Hexanone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
1,3-Dichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Dibromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Chlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Ethylbenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
m,p-Xylenes	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
o-Xylene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Styrene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromoform	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,2,3-Trichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,3-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,4-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
1,2,4-Trichlorobenzene	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-14b
Lab Code: K1205520-009

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	73-122	06/19/12	Acceptable
Toluene-d8	100	65-144	06/19/12	Acceptable
4-Bromofluorobenzene	88	68-117	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-18
Lab Code: K1205520-010
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: µg/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	0.58		0.50	1	06/19/12	06/19/12	KWG1206659	
Chloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Chloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichlorofluoromethane	0.93		0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	*
Acetone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Iodomethane	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	*
Carbon Disulfide	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Methylene Chloride	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Acrylonitrile	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Acetate	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
2-Butanone (MEK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Bromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroform	0.68		0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Carbon Tetrachloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Benzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichloroethene (TCE)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Dibromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromodichloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Toluene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,2-Trichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Tetrachloroethene (PCE)	1.0		0.50	1	06/19/12	06/19/12	KWG1206659	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-18
Lab Code: K1205520-010
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Dibromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Chlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Ethylbenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
m,p-Xylenes	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
o-Xylene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Styrene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromoform	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,2,3-Trichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,4-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	73-122	06/19/12	Acceptable
Toluene-d8	99	65-144	06/19/12	Acceptable
4-Bromofluorobenzene	89	68-117	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-23
Lab Code: K1205520-011
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	1.0		0.50	1	06/19/12	06/19/12	KWG1206659	
Chloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Chloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichlorofluoromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	*
Acetone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Iodomethane	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	*
Carbon Disulfide	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Methylene Chloride	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Acrylonitrile	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Acetate	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
2-Butanone (MEK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Bromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroform	0.66		0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Carbon Tetrachloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Benzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichloroethene (TCE)	0.63		0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Dibromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromodichloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Toluene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,2-Trichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Tetrachloroethene (PCE)	0.85		0.50	1	06/19/12	06/19/12	KWG1206659	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-23
Lab Code: K1205520-011
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Dibromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Chlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Ethylbenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
m,p-Xylenes	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
o-Xylene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Styrene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromoform	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,2,3-Trichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,4-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	98	73-122	06/19/12	Acceptable
Toluene-d8	101	65-144	06/19/12	Acceptable
4-Bromofluorobenzene	87	68-117	06/19/12	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-24
Lab Code: K1205520-012
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Chloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichlorofluoromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	*
Acetone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Iodomethane	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	*
Carbon Disulfide	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Methylene Chloride	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Acrylonitrile	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Acetate	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
2-Butanone (MEK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Bromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroform	0.76		0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Carbon Tetrachloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Benzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichloroethene (TCE)	0.70		0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Dibromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromodichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Toluene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,2-Trichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Tetrachloroethene (PCE)	0.78		0.50	1	06/19/12	06/19/12	KWG1206659	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-24
Lab Code: K1205520-012
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Dibromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Chlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Ethylbenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
m,p-Xylenes	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
o-Xylene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Styrene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromoform	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,2,3-Trichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,4-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	73-122	06/19/12	Acceptable
Toluene-d8	99	65-144	06/19/12	Acceptable
4-Bromofluorobenzene	87	68-117	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-17
Lab Code: K1205520-013
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Chloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichlorofluoromethane	0.63		0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	*
Acetone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Iodomethane	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	*
Carbon Disulfide	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Methylene Chloride	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Acrylonitrile	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Acetate	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
2-Butanone (MEK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Bromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroform	0.66		0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Carbon Tetrachloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Benzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichloroethene (TCE)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Dibromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromodichloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Toluene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,2-Trichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Tetrachloroethene (PCE)	0.77		0.50	1	06/19/12	06/19/12	KWG1206659	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-17
Lab Code: K1205520-013
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Dibromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Chlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Ethylbenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
m,p-Xylenes	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
o-Xylene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Styrene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromoform	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,2,3-Trichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,4-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	73-122	06/19/12	Acceptable
Toluene-d8	100	65-144	06/19/12	Acceptable
4-Bromofluorobenzene	88	68-117	06/19/12	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K1205520-014
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Chloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichlorofluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acetone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Iodomethane	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Carbon Disulfide	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
Methylene Chloride	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Acrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Acetate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
2-Butanone (MEK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Bromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Carbon Tetrachloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Benzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichloroethene (TCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromodichloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Toluene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,2-Trichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Tetrachloroethene (PCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K1205520-014
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Dibromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Chlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethylbenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
m,p-Xylenes	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
o-Xylene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Styrene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromoform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
1,2,3-Trichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,4-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	80	73-122	06/18/12	Acceptable
Toluene-d8	89	65-144	06/18/12	Acceptable
4-Bromofluorobenzene	78	68-117	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206609-5
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Chloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichlorofluoromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acrolein	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Acetone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Iodomethane	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Carbon Disulfide	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
3-Chloro-1-propene	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Acetonitrile	ND	U	50	1	06/18/12	06/18/12	KWG1206609	
Methylene Chloride	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Acrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Vinyl Acetate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Chloroprene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
2,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,2-Dichloroethene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
2-Butanone (MEK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Propionitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Methacrylonitrile	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Bromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Chloroform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Carbon Tetrachloride	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Isobutyl Alcohol	ND	U	100	1	06/18/12	06/18/12	KWG1206609	*
Benzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Trichloroethene (TCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206609-5
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromomethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Methyl Methacrylate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
Bromodichloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
Toluene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethyl Methacrylate	ND	U	5.0	1	06/18/12	06/18/12	KWG1206609	
1,1,2-Trichloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Tetrachloroethene (PCE)	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
2-Hexanone	ND	U	20	1	06/18/12	06/18/12	KWG1206609	
1,3-Dichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Dibromochloromethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	
Chlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Ethylbenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
m,p-Xylenes	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
o-Xylene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Styrene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
Bromoform	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/18/12	06/18/12	KWG1206609	
1,2,3-Trichloropropane	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,3-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,4-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dichlorobenzene	ND	U	0.50	1	06/18/12	06/18/12	KWG1206609	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	*
1,2,4-Trichlorobenzene	ND	U	2.0	1	06/18/12	06/18/12	KWG1206609	

* See Case Narrative

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206609-5

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	76	73-122	06/18/12	Acceptable
Toluene-d8	89	65-144	06/18/12	Acceptable
4-Bromofluorobenzene	79	68-117	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206659-4
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Chloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichlorofluoromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Acrolein	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	*
Acetone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Iodomethane	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	*
Carbon Disulfide	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
3-Chloro-1-propene	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
Acetonitrile	ND	U	50	1	06/19/12	06/19/12	KWG1206659	*
Methylene Chloride	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Acrylonitrile	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Vinyl Acetate	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
Chloroprene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
2,2-Dichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
2-Butanone (MEK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Propionitrile	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
Methacrylonitrile	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
Bromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Chloroform	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Carbon Tetrachloride	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Isobutyl Alcohol	ND	U	100	1	06/19/12	06/19/12	KWG1206659	*
Benzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Trichloroethene (TCE)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206659-4
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,2-Dichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Dibromomethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Methyl Methacrylate	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
Bromodichloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
Toluene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Ethyl Methacrylate	ND	U	5.0	1	06/19/12	06/19/12	KWG1206659	
1,1,2-Trichloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Tetrachloroethene (PCE)	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
2-Hexanone	ND	U	20	1	06/19/12	06/19/12	KWG1206659	
1,3-Dichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Dibromochloromethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
Chlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Ethylbenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
m,p-Xylenes	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
o-Xylene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Styrene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
Bromoform	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/19/12	06/19/12	KWG1206659	
1,2,3-Trichloropropane	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,3-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,4-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dichlorobenzene	ND	U	0.50	1	06/19/12	06/19/12	KWG1206659	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	
1,2,4-Trichlorobenzene	ND	U	2.0	1	06/19/12	06/19/12	KWG1206659	

* See Case Narrative

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206659-4

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	73-122	06/19/12	Acceptable
Toluene-d8	101	65-144	06/19/12	Acceptable
4-Bromofluorobenzene	88	68-117	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

**Surrogate Recovery Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>
Camp	K1205520-001	79	89	78
C2	K1205520-002	79	89	77
Schmidt	K1205520-003	79	89	79
Small	K1205520-004	80	90	78
Kinman	K1205520-005	80	89	76
MW-19	K1205520-006	81	89	77
MW-15	K1205520-007	82	88	78
D15	K1205520-008	80	89	77
MW-14b	K1205520-009	99	100	88
MW-18	K1205520-010	97	99	89
MW-23	K1205520-011	98	101	87
MW-24	K1205520-012	99	99	87
MW-17	K1205520-013	99	100	88
Trip Blank	K1205520-014	80	89	78
Batch QC	K1205525-002	100	100	89
Method Blank	KWG1206609-5	76	89	79
Method Blank	KWG1206659-4	97	101	88
Batch QCMS	KWG1206659-1	99	102	94
Batch QCDMS	KWG1206659-2	97	102	95
Lab Control Sample	KWG1206609-3	85	92	81
Duplicate Lab Control Sample	KWG1206609-4	86	92	80
Lab Control Sample	KWG1206659-3	95	102	93

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	73-122
Sur2 = Toluene-d8	65-144
Sur3 = 4-Bromofluorobenzene	68-117

Results flagged with an asterisk (*) indicate values outside control criteria.
 Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/19/2012
Date Analyzed: 06/19/2012

**Matrix Spike/Duplicate Matrix Spike Summary
 Volatile Organic Compounds**

Sample Name: Batch QC
Lab Code: K1205525-002
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206659

Analyte Name	Sample Result	Batch QCMS KWG1206659-1 Matrix Spike			Batch QCDMS KWG1206659-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Vinyl Chloride	ND	10.2	10.0	102	9.43	10.0	94	49-136	8	30
1,1-Dichloroethene	ND	9.66	10.0	97	8.84	10.0	88	59-171	9	30
Chloroform	ND	10.5	10.0	105	10.2	10.0	102	64-133	3	30
Carbon Tetrachloride	ND	8.62	10.0	86	8.37	10.0	84	53-161	3	30
Benzene	ND	10.8	10.0	108	10.3	10.0	103	63-144	4	30
Trichloroethene (TCE)	ND	9.49	10.0	95	9.04	10.0	90	53-139	5	30
Bromodichloromethane	ND	10.1	10.0	101	10.1	10.0	101	61-134	0	30
Toluene	0.70	10.4	10.0	97	9.87	10.0	92	71-136	5	30
1,1,2-Trichloroethane	ND	10.8	10.0	108	10.6	10.0	106	74-124	1	30
2-Hexanone	ND	47.8	50.0	96	50.2	50.0	100	53-132	5	30
Chlorobenzene	ND	9.34	10.0	93	8.91	10.0	89	69-126	5	30
Ethylbenzene	ND	8.94	10.0	89	8.56	10.0	86	66-136	4	30
1,2,3-Trichloropropane	ND	10.3	10.0	103	10.3	10.0	103	71-127	0	30
1,2-Dichlorobenzene	ND	9.83	10.0	98	9.55	10.0	96	72-119	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/18/2012
Date Analyzed: 06/18/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206609

Analyte Name	Lab Control Sample KWG1206609-3 Lab Control Spike			Duplicate Lab Control Sample KWG1206609-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Dichlorodifluoromethane	10.1	10.0	101	9.83	10.0	98	32-124	2	30
Chloromethane	9.64	10.0	96	8.90	10.0	89	34-130	8	30
Vinyl Chloride	8.73	10.0	87	8.36	10.0	84	55-123	4	30
Bromomethane	7.83	10.0	78	7.43	10.0	74	35-113	5	30
Chloroethane	9.54	10.0	95	9.28	10.0	93	58-134	3	30
Trichlorofluoromethane	8.71	10.0	87	8.39	10.0	84	52-141	4	30
Acrolein	99.0	100	99	107	100	107	42-118	7	30
1,1-Dichloroethene	11.3	10.0	113	10.7	10.0	107	66-129	5	30
Acetone	57.3	50.0	115	60.2	50.0	120	68-135	5	30
Iodomethane	44.4	30.0	148	42.3	30.0	141	51-164	5	30
Carbon Disulfide	13.7	20.0	68	13.0	20.0	65	46-144	5	30
3-Chloro-1-propene	25.8	30.0	86	24.4	30.0	81	42-147	5	30
Acetonitrile	304	300	101	329	300	110	69-132	8	30
Methylene Chloride	9.91	10.0	99	9.72	10.0	97	71-122	2	30
Acrylonitrile	34.6	40.0	86	37.6	40.0	94	65-129	8	30
trans-1,2-Dichloroethene	9.87	10.0	99	9.54	10.0	95	67-125	3	30
1,1-Dichloroethane	10.0	10.0	100	9.74	10.0	97	68-132	3	30
Vinyl Acetate	40.1	50.0	80	41.9	50.0	84	44-156	4	30
Chloroprene	32.3	30.0	108	30.7	30.0	102	43-146	5	30
2,2-Dichloropropane	7.41	10.0	74	7.02	10.0	70	37-145	5	30
cis-1,2-Dichloroethene	9.50	10.0	95	8.95	10.0	90	71-118	6	30
2-Butanone (MEK)	44.0	50.0	88	46.9	50.0	94	71-149	7	30
Propionitrile	26.9	30.0	90	30.1	30.0	100	46-137	11	30
Methacrylonitrile	25.2	30.0	84	27.7	30.0	92	47-136	9	30
Bromochloromethane	10.5	10.0	105	10.6	10.0	106	75-131	1	30
Chloroform	10.2	10.0	102	9.75	10.0	98	70-129	4	30
1,1,1-Trichloroethane (TCA)	9.14	10.0	91	8.67	10.0	87	59-136	5	30
Carbon Tetrachloride	8.95	10.0	90	8.37	10.0	84	55-140	7	30
1,1-Dichloropropene	8.70	10.0	87	8.44	10.0	84	59-134	3	30
Isobntyl Alcohol	217	300	72	246	300	82	36-142	12	30
Benzene	9.40	10.0	94	9.09	10.0	91	69-124	3	30
1,2-Dichloroethane (EDC)	10.5	10.0	105	10.7	10.0	107	56-142	2	30
Trichloroethene (TCE)	9.35	10.0	94	9.02	10.0	90	67-128	4	30
1,2-Dichloropropane	9.20	10.0	92	8.88	10.0	89	67-126	4	30
Dibromomethane	8.87	10.0	89	9.29	10.0	93	69-128	5	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/18/2012
Date Analyzed: 06/18/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206609

Analyte Name	Lab Control Sample KWG1206609-3 Lab Control Spike			Duplicate Lab Control Sample KWG1206609-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Methyl Methacrylate	23.9	30.0	80	25.8	30.0	86	46-138	8	30
Bromodichloromethane	8.51	10.0	85	8.41	10.0	84	63-129	1	30
cis-1,3-Dichloropropene	8.36	10.0	84	8.36	10.0	84	62-132	0	30
4-Methyl-2-pentanone (MIBK)	42.1	50.0	84	46.2	50.0	92	64-134	9	30
Toluene	9.40	10.0	94	9.14	10.0	91	69-124	3	30
trans-1,3-Dichloropropene	6.98	10.0	70	7.38	10.0	74	59-125	6	30
Ethyl Methacrylate	23.3	30.0	78	25.5	30.0	85	48-143	9	30
1,1,2-Trichloroethane	8.24	10.0	82	8.84	10.0	88	74-118	7	30
Tetrachloroethene (PCE)	9.56	10.0	96	9.17	10.0	92	62-126	4	30
2-Hexanone	39.6	50.0	79	44.7	50.0	89	59-131	12	30
1,3-Dichloropropane	8.82	10.0	88	9.21	10.0	92	75-116	4	30
Dibromochloromethane	7.87	10.0	79	8.06	10.0	81	67-126	2	30
1,2-Dibromoethane (EDB)	8.59	10.0	86	9.19	10.0	92	74-118	7	30
Chlorobenzene	9.41	10.0	94	9.23	10.0	92	72-116	2	30
Ethylbenzene	8.72	10.0	87	8.72	10.0	87	67-121	0	30
1,1,1,2-Tetrachloroethane	8.91	10.0	89	8.78	10.0	88	66-124	1	30
m,p-Xylenes	18.4	20.0	92	18.0	20.0	90	69-121	2	30
o-Xylene	9.00	10.0	90	8.93	10.0	89	71-119	1	30
Styrene	9.36	10.0	94	9.61	10.0	96	74-121	3	30
Bromoform	6.62	10.0	66	6.91	10.0	69	52-144	4	30
cis-1,4-Dichloro-2-butene	19.7	30.0	66	21.1	30.0	70	26-171	7	30
1,1,2,2-Tetrachloroethane	7.83	10.0	78	8.63	10.0	86	70-127	10	30
trans-1,4-Dichloro-2-butene	21.3	30.0	71	23.5	30.0	78	46-170	10	30
1,2,3-Trichloropropane	8.93	10.0	89	9.49	10.0	95	69-123	6	30
1,3-Dichlorobenzene	9.45	10.0	95	9.29	10.0	93	70-116	2	30
1,4-Dichlorobenzene	9.54	10.0	95	9.38	10.0	94	73-115	2	30
1,2-Dichlorobenzene	9.22	10.0	92	9.41	10.0	94	72-115	2	30
1,2-Dibromo-3-chloropropane	6.45	10.0	65	7.38	10.0	74	55-132	13	30
1,2,4-Trichlorobenzene	8.69	10.0	87	9.15	10.0	92	58-126	5	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/19/2012
Date Analyzed: 06/19/2012

**Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206659

Lab Control Sample
 KWG1206659-3
 Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
Dichlorodifluoromethane	8.18	10.0	82	32-124
Chloromethane	10.7	10.0	107	34-130
Vinyl Chloride	8.59	10.0	86	55-123
Bromomethane	7.98	10.0	80	35-113
Chloroethane	9.53	10.0	95	58-134
Trichlorofluoromethane	6.12	10.0	61	52-141
Acrolein	70.1	100	70	42-118
1,1-Dichloroethene	8.01	10.0	80	66-129
Acetone	66.9	50.0	134	68-135
Iodomethane	27.7	30.0	92	51-164
Carbon Disulfide	15.6	20.0	78	46-144
3-Chloro-1-propene	33.2	30.0	111	42-147
Acetonitrile	397	300	132	69-132
Methylene Chloride	9.69	10.0	97	71-122
Acrylonitrile	47.9	40.0	120	65-129
trans-1,2-Dichloroethene	8.82	10.0	88	67-125
1,1-Dichloroethane	9.81	10.0	98	68-132
Vinyl Acetate	40.9	50.0	82	44-156
Chloroprene	36.0	30.0	120	43-146
2,2-Dichloropropane	6.96	10.0	70	37-145
cis-1,2-Dichloroethene	9.44	10.0	94	71-118
2-Butanone (MEK)	58.1	50.0	116	71-149
Propionitrile	37.5	30.0	125	46-137
Methacrylonitrile	34.1	30.0	114	47-136
Bromochloromethane	9.22	10.0	92	75-131
Chloroform	9.91	10.0	99	70-129
1,1,1-Trichloroethane (TCA)	7.32	10.0	73	59-136
Carbon Tetrachloride	6.95	10.0	70	55-140
1,1-Dichloropropene	8.29	10.0	83	59-134
Isobutyl Alcohol	356	300	119	36-142
Benzene	9.94	10.0	99	69-124
1,2-Dichloroethane (EDC)	11.1	10.0	111	56-142
Trichloroethene (TCE)	8.49	10.0	85	67-128
1,2-Dichloropropane	10.6	10.0	106	67-126
Dibromomethane	10.0	10.0	100	69-128

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/19/2012
Date Analyzed: 06/19/2012

**Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206659

Lab Control Sample
 KWG1206659-3
 Lab Control Spike

Analyte Name	Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Methyl Methacrylate	33.2	30.0	111	46-138
Bromodichloromethane	9.71	10.0	97	63-129
cis-1,3-Dichloropropene	9.79	10.0	98	62-132
4-Methyl-2-pentanone (MIBK)	53.7	50.0	107	64-134
Toluene	9.08	10.0	91	69-124
trans-1,3-Dichloropropene	8.23	10.0	82	59-125
Ethyl Methacrylate	32.6	30.0	109	48-143
1,1,2-Trichloroethane	10.1	10.0	101	74-118
Tetrachloroethene (PCE)	7.03	10.0	70	62-126
2-Hexanone	51.9	50.0	104	59-131
1,3-Dichloropropane	10.2	10.0	102	75-116
Dibromochloromethane	8.24	10.0	82	67-126
1,2-Dibromoethane (EDB)	9.14	10.0	91	74-118
Chlorobenzene	8.65	10.0	87	72-116
Ethylbenzene	8.03	10.0	80	67-121
1,1,1,2-Tetrachloroethane	8.13	10.0	81	66-124
m,p-Xylenes	16.3	20.0	81	69-121
o-Xylene	8.50	10.0	85	71-119
Styrene	8.95	10.0	90	74-121
Bromoform	7.83	10.0	78	52-144
cis-1,4-Dichloro-2-butene	27.4	30.0	91	26-171
1,1,2,2-Tetrachloroethane	11.3	10.0	113	70-127
trans-1,4-Dichloro-2-butene	35.4	30.0	118	46-170
1,2,3-Trichloropropane	10.1	10.0	101	69-123
1,3-Dichlorobenzene	9.45	10.0	95	70-116
1,4-Dichlorobenzene	9.57	10.0	96	73-115
1,2-Dichlorobenzene	9.38	10.0	94	72-115
1,2-Dibromo-3-chloropropane	9.09	10.0	91	55-132
1,2,4-Trichlorobenzene	8.59	10.0	86	58-126

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Camp
Lab Code: K1205520-001
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND	U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	108	77-123	06/19/12	Acceptable
Toluene-d8	114	74-112	06/19/12	Outside Control Limits
4-Bromofluorobenzene	83	46-118	06/19/12	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: C2
Lab Code: K1205520-002
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND	U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	108	77-123	06/19/12	Acceptable
Toluene-d8	114	74-112	06/19/12	Outside Control Limits
4-Bromofluorobenzene	83	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Schmidt
Lab Code: K1205520-003
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	108	77-123	06/19/12	Acceptable
Toluene-d8	113	74-112	06/19/12	Outside Control Limits
4-Bromofluorobenzene	83	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Small
Lab Code: K1205520-004
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	109	77-123	06/19/12	Acceptable
Toluene-d8	113	74-112	06/19/12	Outside Control Limits
4-Bromofluorobenzene	83	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Kinman
Lab Code: K1205520-005
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	109	77-123	06/19/12	Acceptable
Toluene-d8	113	74-112	06/19/12	Outside Control Limits
4-Bromofluorobenzene	83	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-19
Lab Code: K1205520-006
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	77-123	06/19/12	Acceptable
Toluene-d8	112	74-112	06/19/12	Acceptable
4-Bromofluorobenzene	83	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-15
Lab Code: K1205520-007
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	780		20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	77-123	06/19/12	Acceptable
Toluene-d8	112	74-112	06/19/12	Acceptable
4-Bromofluorobenzene	83	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: D15
Lab Code: K1205520-008
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	790		20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	77-123	06/19/12	Acceptable
Toluene-d8	112	74-112	06/19/12	Acceptable
4-Bromofluorobenzene	83	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	77-123	06/19/12	Acceptable
Toluene-d8	112	74-112	06/19/12	Acceptable
4-Bromofluorobenzene	83	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-18
Lab Code: K1205520-010
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	77-123	06/19/12	Acceptable
Toluene-d8	113	74-112	06/19/12	Outside Control Limits
4-Bromofluorobenzene	82	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-23
Lab Code: K1205520-011
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	77-123	06/19/12	Acceptable
Toluene-d8	113	74-112	06/19/12	Outside Control Limits
4-Bromofluorobenzene	82	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-24
Lab Code: K1205520-012
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	77-123	06/19/12	Acceptable
Toluene-d8	113	74-112	06/19/12	Outside Control Limits
4-Bromofluorobenzene	82	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: MW-17
Lab Code: K1205520-013
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	77-123	06/19/12	Acceptable
Toluene-d8	112	74-112	06/19/12	Acceptable
4-Bromofluorobenzene	83	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K1205520-014
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206657	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	77-123	06/19/12	Acceptable
Toluene-d8	113	74-112	06/19/12	Outside Control Limits
4-Bromofluorobenzene	84	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206617-4
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/18/12	06/18/12	KWG1206617	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	107	77-123	06/18/12	Acceptable
Toluene-d8	114	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	84	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206657-4
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/19/12	06/19/12	KWG1206657	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	77-123	06/19/12	Acceptable
Toluene-d8	113	74-112	06/19/12	Outside Control Limits
4-Bromofluorobenzene	84	46-118	06/19/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

**Surrogate Recovery Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lah Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>
Batch QC	K1205381-010	107	113 *	83
Camp	K1205520-001	108	114 *	83
C2	K1205520-002	108	114 *	83
Schmidt	K1205520-003	108	113 *	83
Small	K1205520-004	109	113 *	83
Kinman	K1205520-005	109	113 *	83
MW-19	K1205520-006	110	112	83
MW-15	K1205520-007	110	112	83
D15	K1205520-008	110	112	83
MW-14b	K1205520-009	110	112	83
MW-18	K1205520-010	111	113 *	82
MW-23	K1205520-011	112	113 *	82
MW-24	K1205520-012	112	113 *	82
MW-17	K1205520-013	112	112	83
Trip Blank	K1205520-014	112	113 *	84
Method Blank	KWG1206617-4	107	114 *	84
Method Blank	KWG1206657-4	111	113 *	84
Batch QCMS	KWG1206617-1	109	115 *	92
Batch QCDMS	KWG1206617-2	109	115 *	92
Lab Control Sample	KWG1206617-3	110	115 *	92
Lab Control Sample	KWG1206657-3	112	114 *	93

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	77-123
Sur2 = Toluene-d8	74-112
Sur3 = 4-Bromofluorobenzene	46-118

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/18/2012
Date Analyzed: 06/18/2012

**Matrix Spike/Duplicate Matrix Spike Summary
 Volatile Organic Compounds**

Sample Name: Batch QC
Lab Code: K1205381-010
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low
Extraction Lot: KWG1206617

Analyte Name	Sample Result	Batch QCMS KWG1206617-1 Matrix Spike			Batch QCDMS KWG1206617-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Vinyl Chloride	ND	2210	2000	111	2070	2000	104	70-130	7	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/18/2012
Date Analyzed: 06/18/2012

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low
Extraction Lot: KWG1206617

Analyte Name	Lab Control Sample KWG1206617-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Vinyl Chloride	2240	2000	112	70-136

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/19/2012
Date Analyzed: 06/19/2012

**Lab Control Spike Summary
Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low
Extraction Lot: KWG1206657

Analyte Name	Lab Control Sample KWG1206657-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Vinyl Chloride	2120	2000	106	70-136

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Project Name: City of Walla Walla Sudbury Road Landfill Remedial Investigation
 Project Manager: Craig Schwyn
 Company: Schwyn Environmental Services
 4621 South Custer Court
 Spokane, Washington 99223
 509-448-3187: Craig@schwynenviro.com

Sampler's Signature: _____

Sample ID	Date	Time	LAB ID	Matrix	Number of Containers	VOCs (8260B special list)	Vinyl Chloride by 8260 SIM	[Chloride, Nitrate, Sulfate (Method 300.0)] [Ca, Fe, Mg, Mn, K, Na (Method 6010C)] [Alkalinity (Method 2320B)] [Ammonia (SM 4500)] [TOC (Method 415.1)] [TDS (SM 2540C)]	Appendix III Parameters (see below)	MS/MSD	REMARKS
MW-215	6/6/02	10:30		W	10	X	X	X			
MW-216	6/6/02	10:00		W	10	X	X	X			
MW-225	6/6/02	11:30		W	10	X	X	X			
MW-22D	6/6/02	11:00		W	10	X	X	X			

URNAROUND REQUIREMENTS
 24 hr _____ 48 hr _____ 5 day _____
 Standard (21 days)
 Provide FAX Preliminary Results
 Requested Report Date: _____
 Invoice Information
 P.O. # _____
 Bill to: Schwyn Environmental Services

REPORT REQUIREMENTS
 I. Routine Report: Results, Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes raw data)
 IV. CLP Deliverable Report
 V. EDD

RELINQUISHED BY:
 Signature: [Signature]
 Printed Name: [Name]
 Firm: Schwyn Environmental Services
 Date/Time: _____

RECEIVED BY:
 Signature: [Signature]
 Printed Name: _____
 Firm: _____
 Date/Time: _____

Appendix III Parameters
 Dissolved Metals: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Se, Ag, Ti, Sn, V, and Zn by USEPA Method 6010C
 Total Metals: Ni, Hg by USEPA Method 6010C, and 7470A
 Organochlorine pesticides by USEPA Method 8081A
 PCBs (Aroclors) by USEPA Method 8082
 Organophosphorus compounds by USEPA Method 8141A
 Chlorinated herbicides by USEPA Method 8151A
 SVOCs USEPA Method 8270D
 Total cyanide by SM 4500 S2 D and Total sulfide by EPA 335.4

RELINQUISHED BY:
 Signature: _____
 Printed Name: _____
 Firm: _____
 Date/Time: _____

RECEIVED BY:
 Signature: [Signature]
 Printed Name: [Name]
 Firm: _____
 Date/Time: [Date/Time]

Columbia Analytical Services

1317 South 13th, Kelso, WA 98626 (360) 577-7222 FAX (360) 636-1068

SR# 11905452
PAGE 2 OF 2

Project Name: City of Walla Walla Sudbury Road Landfill Remedial Investigation
Project Manager: Craig Schwyn

Company: Schwyn Environmental Services
4621 South Custer Court
Spokane, Washington 99223
509-448-3187: Craig@schwynenviro.com

Sampler's Signature: _____

Sample ID	Date	Time	LAB ID	Matrix
MW-3	6/5/12	4:00		Water
MW-5	6/5/12	3:00		Water
MW-9	6/5/12	4:45		Water
MW-10	6/6/12	8:00		Water
MW-11				Water
MW-12b				Water
MW-14b				Water
MW-15				Water
MW-15D				Water
MW-16				Water
MW-17				Water
MW-18				Water

Number of Containers	VOCs (8260B special list)	Vinyl Chloride by 8260 SIM	[Chloride, Nitrate, Sulfate (Method 300.0)] [Ca, Fe, Mg, Mn, K, Na (Method 6010C)] [Alkalinity (Method 2320B)] [Ammonia (SM 4500)] [TOC (Method 415.1)] [TDS (SM 2540C)]	Appendix III Parameters (see below)	MS/MSD	REMARKS
6	X	X				
6	X	X				
6	X	X				
4/7	X	X	X	X	X	1 broken VOA bottle

URN/ROUND REQUIREMENTS
24 hr _____ 48 hr _____ 5 day _____
Standard (21 days) _____
Provide FAX Preliminary Results _____
Requested Report Date: _____

Invoice Information
P.O. # _____
Bill to: Schwyn Environmental Services

RELINQUISHED BY:
Signature: CAC Adkin
Printed Name: Craig Schwyn
Firm: Schwyn Environmental Services

REPORT REQUIREMENTS
I. Routine Report: Results, Method Blank, Surrogate, as required
II. Report Dup., MS, MSD as required
III. Data Validation Report (includes raw data)
IV. CLP Deliverable Report
V. EDD

RECEIVED BY:
Signature: FEL EX
Printed Name: _____
Firm: _____

RELINQUISHED BY:
Signature: _____
Printed Name: _____
Firm: _____

RECEIVED BY:
Signature: Phyllis Smith
Printed Name: Phyllis Smith
Firm: ALS 6/18/12 0930

Appendix III Parameters
Dissolved Metals: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Se, Ag, Ti, Sn, V, and Zn by USEPA Method 6010C
Total Metals: Ni, Hg by USEPA Method 6010C, and 7470A
Organochlorine pesticides by USEPA Method 8081A
PCBs (Aroclors) by USEPA Method 8082
Organophosphorus compounds by USEPA Method 8141A
Chlorinated herbicides by USEPA Method 8151A
SVOCs USEPA Method 8270D
Total cyanide by SM 4500 S2 D and Total sulfide by EPA 335.4



PC ed

Cooler Receipt and Preservation Form

Client / Project: Schuy Service Request K15752
 Received: 6/8/12 Opened: 6/8/12 By: [Signature] Unloaded: 6/8/12 By: [Signature]

1. Samples were received via? Mail Feed-Ex UPS DHL PDX Courier Hand Delivered
 2. Samples were received in: (circle) Cooler Box Envelope Other NA
 3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
 If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Cooler Temp °C	Temp Blank °C	Thermometer ID	Cooler/COC ID	Tracking Number	NA	Filed
<u>1.9</u>	<u>2.1</u>	<u>304</u>	<u>NA</u>			<input checked="" type="checkbox"/>

7. Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves _____
 8. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
 9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
 10. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
 11. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
 12. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
 13. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
 14. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
 15. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____



PC ed

Cooler Receipt and Preservation Form

Client / Project: SW Schwym Service Request K12 5452
 Received: 6/7/12 Opened: 6/7/12 By: [Signature] Unloaded: 6/7/12 By: [Signature]

- Samples were received via? Mail Fed Ex UPS DHL PDX Courier Hand Delivered
- Samples were received in: (circle) Cooler Box Envelope Other NA
- Were custody seals on coolers? NA Y N If yes, how many and where? _____
 If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Cooler Temp °C	Temp Blank °C	Thermometer ID	Cooler/COC ID	NA	Tracking Number	NA	Filed
<u>2</u>	<u>1.0</u>	<u>300</u>					<input checked="" type="checkbox"/>
<u>0</u>	<u>1.4</u>	<u>259</u>					<input checked="" type="checkbox"/>
SHORT HOLD TIME							

- Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves
- Were custody papers properly filled out (ink, signed, etc.)? NA Y N *
- Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
- Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
- Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
- Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
- Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? *Indicate in the table below* NA Y N
- Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
- Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: MW-11 6/6/12 0800 ms/msd for VUC and Genchem
MW-21D 6/6/12 1000 Ambers and Metals on Hold
MW-21S 6/6/12 1030 MW-5 6/5/12 1600
MW-22D 6/6/12 1100
MW-22S 6/6/12 1130 2-TB
MW-9 6/5/12 1500 *Did not receive COC (Missing Page of cooler)
MW-10 6/5/12 1645

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water
Analysis Method: 300.0

Service Request: K1205452
Date Collected: 06/6/12
Date Received: 06/7/12
Units: mg/L
Basis: NA

Chloride

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-11	K1205452-001	85.0	4.0	20	06/07/12 16:38	
MW-21D	K1205452-002	150	4.0	20	06/07/12 17:32	
MW-21S	K1205452-003	141	4.0	20	06/07/12 17:45	
MW-22D	K1205452-004	157	4.0	20	06/07/12 22:15	
MW-22S	K1205452-005	156	4.0	20	06/07/12 22:28	
Method Blank	K1205452-MB1	ND U	0.20	1	06/07/12 07:17	
Method Blank	K1205452-MB2	ND U	0.20	1	06/07/12 18:26	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/07/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-11 Units: mg/L
Lab Code: K1205452-001 Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1205452-001DUP4 Result	Average	RPD	RPD Limit
Chloride	300.0	4.0	85.0	85.3	85.2	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/7/12

**Duplicate Matrix Spike Summary
 Chloride**

Sample Name: MW-11
Lab Code: K1205452-001
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1205452-001MS2		Duplicate Matrix Spike K1205452-001DMS2		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Chloride	85.0	130	40.0	112 *	130	40.0	112 *	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Analyzed: 06/07/12

Lab Control Sample Summary
Chloride

Analysis Method: 300.0

Units: mg/L

Basis: NA

Analysis Lot: 294965

<u>Sample Name</u>	<u>Lab Code</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Lab Control Sample	K1205452-LCS3	4.75	5.00	95	90-110
Lab Control Sample	K1205452-LCS4	4.66	5.00	93	90-110

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water
Analysis Method: 300.0

Service Request: K1205452
Date Collected: 06/6/12
Date Received: 06/7/12
Units: mg/L
Basis: NA

Nitrate as Nitrogen

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-11	K1205452-001	8.0	1.0	20	06/07/12 16:38	
MW-21D	K1205452-002	10.4	1.0	20	06/07/12 17:32	
MW-21S	K1205452-003	9.1	1.0	20	06/07/12 17:45	
MW-22D	K1205452-004	10.0	1.0	20	06/07/12 22:15	
MW-22S	K1205452-005	9.2	1.0	20	06/07/12 22:28	
Method Blank	K1205452-MB1	ND U	0.050	1	06/07/12 07:17	
Method Blank	K1205452-MB2	ND U	0.050	1	06/07/12 18:26	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA
Date Analyzed: 06/07/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: Batch QC
Lab Code: K1205449-001

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1205449-001DUP3 Result	Average	RPD	RPD Limit
Nitrate as Nitrogen	300.0	2.5	ND	ND	NC	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: N/A
Date Received: N/A
Date Analyzed: 06/7/12

Duplicate Matrix Spike Summary
Nitrate as Nitrogen

Sample Name: Batch QC
Lab Code: K1205449-001
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1205449-001MS1		Duplicate Matrix Spike K1205449-001DMS1		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Nitrate as Nitrogen	ND	95.1	100	95	96.3	100	96	90-110	1	20

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Analyzed: 06/07/12

Lab Control Sample Summary
Nitrate as Nitrogen

Analysis Method: 300.0

Units: mg/L

Basis: NA

Analysis Lot: 294965

<u>Sample Name</u>	<u>Lab Code</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Lab Control Sample	K1205452-LCS3	17.9	17.7	101	90-110
Lab Control Sample	K1205452-LCS4	17.8	17.7	101	90-110

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water
Analysis Method: 300.0

Service Request: K1205452
Date Collected: 06/6/12
Date Received: 06/7/12
Units: mg/L
Basis: NA

Sulfate

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-11	K1205452-001	27.6	4.0	20	06/07/12 16:38	
MW-21D	K1205452-002	31.2	4.0	20	06/07/12 17:32	
MW-21S	K1205452-003	32.5	4.0	20	06/07/12 17:45	
MW-22D	K1205452-004	32.4	4.0	20	06/07/12 22:15	
MW-22S	K1205452-005	33.8	4.0	20	06/07/12 22:28	
Method Blank	K1205452-MB1	ND U	0.20	1	06/07/12 07:17	
Method Blank	K1205452-MB2	ND U	0.20	1	06/07/12 18:26	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/07/12

**Replicate Sample Summary
General Chemistry Parameters**

Sample Name: MW-11
Lab Code: K1205452-001

Units: mg/L
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample K1205452- 001DUP4 Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Sulfate	300.0	4.0	27.6	27.6	27.6	<1	20

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/7/12

Duplicate Matrix Spike Summary
Sulfate

Sample Name: MW-11
Lab Code: K1205452-001
Analysis Method: 300.0

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1205452-001MS2		Duplicate Matrix Spike K1205452-001DMS2		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Sulfate	27.6	67.6	40.0	100	67.8	40.0	100	90-110	<1	20

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Analyzed: 06/07/12

Lab Control Sample Summary
Sulfate

Analysis Method: 300.0

Units: mg/L

Basis: NA

Analysis Lot: 294965

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1205452-LCS3	4.58	5.00	92	90-110
Lab Control Sample	K1205452-LCS4	4.56	5.00	91	90-110

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water
Analysis Method: SM 2320 B

Service Request: K1205452
Date Collected: 06/6/12
Date Received: 06/7/12
Units: mg/L
Basis: NA

Alkalinity as CaCO₃, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-11	K1205452-001	267	9.0	1	06/13/12 20:53	
MW-21D	K1205452-002	295	9.0	1	06/13/12 20:53	
MW-21S	K1205452-003	300	9.0	1	06/13/12 20:53	
MW-22D	K1205452-004	290	9.0	1	06/13/12 20:53	
MW-22S	K1205452-005	309	9.0	1	06/13/12 20:53	
Method Blank	K1205452-MB1	ND U	9.0	1	06/13/12 20:53	
Method Blank	K1205452-MB2	ND U	9.0	1	06/13/12 20:53	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/13/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-11
Lab Code: K1205452-001

Units: mg/L
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample K1205452- 001DUP4 Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Alkalinity as CaCO ₃ , Total	SM 2320 B	9.0	267	282	275	5	20

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Analyzed: 06/13/12

Lab Control Sample Summary
Alkalinity as CaCO₃, Total

Analysis Method: SM 2320 B

Units: mg/L
Basis: NA
Analysis Lot: 296181

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1205452-LCS3	65.8	64.9	101	94-106
Lab Control Sample	K1205452-LCS4	66.4	64.9	102	94-106

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water
Analysis Method: SM 2540 C

Service Request: K1205452
Date Collected: 06/6/12
Date Received: 06/7/12
Units: mg/L
Basis: NA

Solids, Total Dissolved

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-11	K1205452-001	583	10	1	06/13/12 00:00	
MW-21D	K1205452-002	704	13	1	06/13/12 00:00	
MW-21S	K1205452-003	693	13	1	06/13/12 00:00	
MW-22D	K1205452-004	697	13	1	06/13/12 00:00	
MW-22S	K1205452-005	779	13	1	06/13/12 00:00	
Method Blank	K1205452-MB1	ND U	5.0	1	06/13/12 00:00	
Method Blank	K1205452-MB2	ND U	5.0	1	06/13/12 00:00	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/13/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-11 Units: mg/L
Lab Code: K1205452-001 Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1205452-001DUP4 Result	Average	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	10	583	566	575	3	10

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Analyzed: 06/13/12

Lab Control Sample Summary
Solids, Total Dissolved

Analysis Method: SM 2540 C

Units: mg/L

Basis: NA

Analysis Lot: 296007

<u>Sample Name</u>	<u>Lab Code</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Lab Control Sample	K1205452-LCS3	1180	1240	95	90-108

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water
Analysis Method: SM 4500-CN- E
Prep Method: SM 4500-CN-C

Service Request: K1205452
Date Collected: 06/6/12
Date Received: 06/7/12
Units: mg/L
Basis: NA

Cyanide, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
MW-11	K1205452-001	ND U	0.010	1	06/19/12 17:53	6/19/12	
Method Blank	K1205452-MB1	ND U	0.0047	1	06/19/12 17:53	6/19/12	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/19/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-11 **Units:** mg/L
Lab Code: K1205452-001 **Basis:** NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample K1205452- 001DUP4 Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Cyanide, Total	SM 4500-CN- E	0.010	ND	ND	NC	NC	20

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COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/19/12
Date Extracted: 06/19/12

**Duplicate Matrix Spike Summary
 Cyanide, Total**

Sample Name: MW-11
Lab Code: K1205452-001
Analysis Method: SM 4500-CN- E
Prep Method: SM 4500-CN-C

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1205452-001MS2		Duplicate Matrix Spike K1205452-001DMS2		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Cyanide, Total	ND	0.094	0.100	94	0.097	0.100	97	23-148	3	20

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COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Analyzed: 06/19/12
Date Extracted: 06/19/12

Lab Control Sample Summary
Cyanide, Total

Analysis Method: SM 4500-CN- E
Prep Method: SM 4500-CN-C

Units: mg/L
Basis: NA
Analysis Lot: 297025

<u>Sample Name</u>	<u>Lab Code</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Lab Control Sample	K1205452-LCS3	1.47	1.46	101	84-115

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water
Analysis Method: SM 4500-NH3 E

Service Request: K1205452
Date Collected: 06/6/12
Date Received: 06/7/12
Units: mg/L
Basis: NA

Ammonia as Nitrogen

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-11	K1205452-001	0.051	0.050	1	06/11/12 08:30	
MW-21D	K1205452-002	ND U	0.050	1	06/11/12 08:30	
MW-21S	K1205452-003	ND U	0.050	1	06/11/12 08:30	
MW-22D	K1205452-004	ND U	0.050	1	06/11/12 08:30	
MW-22S	K1205452-005	ND U	0.050	1	06/11/12 08:30	
Method Blank	K1205452-MB1	ND U	0.050	1	06/11/12 08:30	
Method Blank	K1205452-MB2	ND U	0.050	1	06/11/12 08:30	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/11/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-11
Lab Code: K1205452-001

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1205452-001DUP4 Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	SM 4500-NH3 E	0.050	0.051	ND	NC	NC	20

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/11/12

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name: MW-11
Lab Code: K1205452-001
Analysis Method: SM 4500-NH3 E

Units: mg/L
Basis: NA

Matrix Spike
K1205452-001MS3

<u>Analyte Name</u>	<u>Sample Result</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Ammonia as Nitrogen	0.051	10.2	10.0	101	80-115

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452

Date Analyzed: 06/11/12

Lab Control Sample Summary
Ammonia as Nitrogen

Analysis Method: SM 4500-NH3 E

Units: mg/L

Basis: NA

Analysis Lot: 295524

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1205452-LCS3	14.3	13.9	103	80-115
Lab Control Sample	K1205452-LCS4	13.6	13.9	98	80-115

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water
Analysis Method: SM 4500-S2- D

Service Request: K1205452
Date Collected: 06/6/12
Date Received: 06/7/12
Units: mg/L
Basis: NA

Total Sulfide

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-11	K1205452-001	ND U	0.050	1	06/08/12 22:29	
Method Blank	K1205452-MB1	ND U	0.050	1	06/08/12 22:29	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/08/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-11 Units: mg/L
Lab Code: K1205452-001 Basis: NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1205452- 001DUP4 Result	Average	RPD	RPD Limit
Total Sulfide	SM 4500-S2- D	0.050	ND	ND	NC	NC	20

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/8/12

**Duplicate Matrix Spike Summary
 Total Sulfide**

Sample Name: MW-11
Lab Code: K1205452-001
Analysis Method: SM 4500-S2- D

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1205452-001MS2		Duplicate Matrix Spike K1205452-001DMS2		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Total Sulfide	ND	1.69	1.77	96	1.70	1.77	96	70-120	<1	20

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COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Analyzed: 06/08/12

Lab Control Sample Summary
Total Sulfide

Analysis Method: SM 4500-S2- D

Units: mg/L

Basis: NA

Analysis Lot: 295328

<u>Sample Name</u>	<u>Lab Code</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Lab Control Sample	K1205452-LCS3	1.63	1.77	92	89-106

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water
Analysis Method: SM 5310 C

Service Request: K1205452
Date Collected: 06/6/12
Date Received: 06/7/12
Units: mg/L
Basis: NA

Carbon, Total Organic

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-11	K1205452-001	0.66	0.50	1	06/13/12 10:00	
MW-21D	K1205452-002	0.71	0.50	1	06/13/12 10:00	
MW-21S	K1205452-003	0.85	0.50	1	06/13/12 10:00	
MW-22D	K1205452-004	0.73	0.50	1	06/13/12 10:00	
MW-22S	K1205452-005	0.74	0.50	1	06/13/12 10:00	
Method Blank	K1205452-MB1	ND U	0.50	1	06/13/12 10:00	
Method Blank	K1205452-MB2	ND U	0.50	1	06/13/12 10:00	
Method Blank	K1205452-MB3	ND U	0.50	1	06/18/12 18:17	
Method Blank	K1205452-MB4	ND U	0.50	1	06/18/12 18:17	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water
Analysis Method: SM 5310 C

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Units: mg/L
Basis: NA

Duplicate Sample Summary
Carbon, Total Organic

Sample Name:	Lab Code:	MRL	Sample Result	Duplicate Result	Average	RPD	RPD Limit	Date Analyzed
MW-11	K1205452-001DUP4	0.50	0.66	0.63	0.648	5	10	06/13/12
MW-21D	K1205452-002DUP5	0.50	0.71	0.74	0.723	5	10	06/13/12
MW-21S	K1205452-003DUP6	0.50	0.85	0.83	0.840	2	10	06/13/12
MW-22D	K1205452-004DUP7	0.50	0.73	0.84	0.783	14 *	10	06/13/12
MW-22S	K1205452-005DUP8	0.50	0.74	0.79	0.761	7	10	06/13/12

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COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/12
Date Received: 06/07/12
Date Analyzed: 06/13/12

Matrix Spike Summary
Carbon, Total Organic

Sample Name: MW-11
Lab Code: K1205452-001
Analysis Method: SM 5310 C

Units: mg/L
Basis: NA

Matrix Spike
K1205452-001MS3

<u>Analyte Name</u>	<u>Sample Result</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Carbon, Total Organic	0.66	25.7	25.0	100	83-117

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COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Analyzed: 06/18/12

Duplicate Lab Control Sample Summary
General Chemistry Parameters

Analysis Method: SM 5310 C

Units: mg/L
Basis: NA
Analysis Lot: 296664

Lab Control Sample
K1205452-LCS1

Duplicate Lab Control Sample
K1205452-DLCS1

<u>Analyte Name</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>RPD</u>	<u>RPD Limit</u>
Carbon, Total Organic	22.1	22.7	97	21.9	22.7	96	83-117	1	10

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Analyzed: 06/18/12

Duplicate Lab Control Sample Summary
General Chemistry Parameters

Analysis Method: SM 5310 C

Units: mg/L
Basis: NA
Analysis Lot: 296664

Lab Control Sample
K1205452-LCS2

Duplicate Lab Control Sample
K1205452-DLCS2

Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Carbon, Total Organic	22.2	22.7	98	22.0	22.7	97	83-117	1	10

COLUMBIA ANALYTICAL SERVICES, INC.
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- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services
Project Name: Sudbury Road Landfill RI
Project No.:

Service Request: K1205452

<u>Sample Name:</u>	<u>Lab Code:</u>
MW-11	K1205452-001
MW-11D	K1205452-001D
MW-11	K1205452-001DISS
MW-11D	K1205452-001DISSD
MW-11S	K1205452-001DISSS
MW-11S	K1205452-001S
MW-21D	K1205452-002DISS
MW-21S	K1205452-003DISS
MW-22D	K1205452-004DISS
MW-22S	K1205452-005DISS
Method Blank	K1205452-MB

Comments:

Approved By:



Date:

6/25/12

COLUMBIA ANALYTICAL SERVICES, INC.
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Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services Service Request: K1205452
Project No.: NA Date Collected: 06/06/12
Project Name: Sudbury Road Landfill RI Date Received: 06/07/12
Matrix: WATER Units: ug/L
Basis: NA

Sample Name: MW-11 Lab Code: K1205452-001

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Mercury	7470A	0.2	1.0	06/18/12	06/19/12	0.2	U	
Nickel	6010C	2.0	1.0	06/11/12	06/20/12	8.4		

Comments:

Metals

- I -

INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services Service Request: K1205452
 Project No.: NA Date Collected: 06/06/12
 Project Name: Sudbury Road Landfill RI Date Received: 06/07/12
 Matrix: WATER Units: ug/L
 Basis: NA

Sample Name: MW-11

Lab Code: K1205452-001DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010C	10.0	1.0	06/11/12	06/20/12	10.0	U	
Arsenic	6010C	10.0	1.0	06/11/12	06/20/12	10.0	U	
Barium	6010C	2.0	1.0	06/11/12	06/20/12	66.9		
Beryllium	6010C	0.2	1.0	06/11/12	06/20/12	0.2	U	
Cadmium	6010C	0.5	1.0	06/11/12	06/20/12	0.5	U	
Calcium	6010C	50.0	1.0	06/11/12	06/20/12	89400		
Chromium	6010C	2.0	1.0	06/11/12	06/20/12	2.0	U	
Cobalt	6010C	1.0	1.0	06/11/12	06/20/12	1.0	U	
Copper	6010C	2.0	1.0	06/11/12	06/20/12	2.0	U	
Iron	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Lead	6010C	10.0	1.0	06/11/12	06/20/12	10.0	U	
Magnesium	6010C	20.0	1.0	06/11/12	06/20/12	35400		
Manganese	6010C	5.0	1.0	06/11/12	06/20/12	5.0	U	
Potassium	6010C	400	1.0	06/11/12	06/20/12	8010		
Selenium	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Silver	6010C	2.0	1.0	06/11/12	06/20/12	2.0	U	
Sodium	6010C	200	1.0	06/11/12	06/20/12	36700		
Thallium	6010C	10.0	1.0	06/11/12	06/20/12	10.0	U	
Tin	6010C	10.0	1.0	06/11/12	06/20/12	10.0	U	
Vanadium	6010C	2.0	1.0	06/11/12	06/20/12	14.2		
Zinc	6010C	2.0	1.0	06/11/12	06/20/12	2.0	U	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.
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INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services Service Request: K1205452
Project No.: NA Date Collected: 06/06/12
Project Name: Sudbury Road Landfill RI Date Received: 06/07/12
Matrix: WATER Units: ug/L
Basis: NA

Sample Name: MW-21D Lab Code: K1205452-002DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	06/11/12	06/20/12	119000		
Iron	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Magnesium	6010C	20.0	1.0	06/11/12	06/20/12	53900		
Manganese	6010C	5.0	1.0	06/11/12	06/20/12	8.1		
Potassium	6010C	400	1.0	06/11/12	06/20/12	7730		
Sodium	6010C	200	1.0	06/11/12	06/20/12	19200		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services Service Request: K1205452
Project No.: NA Date Collected: 06/06/12
Project Name: Sudbury Road Landfill RI Date Received: 06/07/12
Matrix: WATER Units: ug/L
Basis: NA

Sample Name: MW-21S Lab Code: K1205452-003DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	06/11/12	06/20/12	116000		
Iron	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Magnesium	6010C	20.0	1.0	06/11/12	06/20/12	49300		
Manganese	6010C	5.0	1.0	06/11/12	06/20/12	159		
Potassium	6010C	400	1.0	06/11/12	06/20/12	7930		
Sodium	6010C	200	1.0	06/11/12	06/20/12	25400		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services **Service Request:** K1205452
Project No.: NA **Date Collected:** 06/06/12
Project Name: Sudbury Road Landfill RI **Date Received:** 06/07/12
Matrix: WATER **Units:** ug/L
Basis: NA

Sample Name: MW-22D **Lab Code:** K1205452-004DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	06/11/12	06/20/12	121000		
Iron	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Magnesium	6010C	20.0	1.0	06/11/12	06/20/12	54500		
Manganese	6010C	5.0	1.0	06/11/12	06/20/12	236		
Potassium	6010C	400	1.0	06/11/12	06/20/12	7980		
Sodium	6010C	200	1.0	06/11/12	06/20/12	19200		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services Service Request: K1205452
Project No.: NA Date Collected: 06/06/12
Project Name: Sudbury Road Landfill RI Date Received: 06/07/12
Matrix: WATER Units: ug/L
Basis: NA

Sample Name: MW-22S

Lab Code: K1205452-005DISS

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	06/11/12	06/20/12	122000		
Iron	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Magnesium	6010C	20.0	1.0	06/11/12	06/20/12	52800		
Manganese	6010C	5.0	1.0	06/11/12	06/20/12	15.5		
Potassium	6010C	400	1.0	06/11/12	06/20/12	8080		
Sodium	6010C	200	1.0	06/11/12	06/20/12	25500		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services **Service Request:** K1205452
Project No.: NA **Date Collected:**
Project Name: Sudbury Road Landfill RI **Date Received:**
Matrix: WATER **Units:** ug/L
Basis: NA

Sample Name: Method Blank **Lab Code:** K1205452-MB

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010C	10.0	1.0	06/11/12	06/20/12	10.0	U	
Arsenic	6010C	10.0	1.0	06/11/12	06/20/12	10.0	U	
Barium	6010C	2.0	1.0	06/11/12	06/20/12	2.0	U	
Beryllium	6010C	0.2	1.0	06/11/12	06/20/12	0.2	U	
Cadmium	6010C	0.5	1.0	06/11/12	06/20/12	0.5	U	
Calcium	6010C	50.0	1.0	06/11/12	06/20/12	50.0	U	
Chromium	6010C	2.0	1.0	06/11/12	06/20/12	2.0	U	
Cobalt	6010C	1.0	1.0	06/11/12	06/20/12	1.0	U	
Copper	6010C	2.0	1.0	06/11/12	06/20/12	2.0	U	
Iron	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Lead	6010C	10.0	1.0	06/11/12	06/20/12	10.0	U	
Magnesium	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Manganese	6010C	5.0	1.0	06/11/12	06/20/12	5.0	U	
Mercury	7470A	0.2	1.0	06/18/12	06/19/12	0.2	U	
Potassium	6010C	400	1.0	06/11/12	06/20/12	400	U	
Selenium	6010C	20.0	1.0	06/11/12	06/20/12	20.0	U	
Silver	6010C	2.0	1.0	06/11/12	06/20/12	2.0	U	
Sodium	6010C	200	1.0	06/11/12	06/20/12	200	U	
Thallium	6010C	10.0	1.0	06/11/12	06/20/12	10.0	U	
Tin	6010C	10.0	1.0	06/11/12	06/20/12	10.0	U	
Vanadium	6010C	2.0	1.0	06/11/12	06/20/12	2.0	U	
Zinc	6010C	2.0	1.0	06/11/12	06/20/12	2.0	U	

Comments:

Metals
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SPIKE SAMPLE RECOVERY

Client: Schwyn Environmental Services Service Request: K1205452
 Project No.: NA Units: UG/L
 Project Name: Sudbury Road Landfill RI Basis: NA
 Matrix: WATER

Sample Name: MW-11S

Lab Code: K1205452-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Antimony	86 - 116	479		10.0	U	500.00	95.8		6010C
Arsenic	79 - 121	949		10.0	U	1000.00	94.9		6010C
Barium	80 - 124	2000		67.3		2000.00	96.6		6010C
Beryllium	87 - 114	48.8		0.2	U	50.00	97.6		6010C
Cadmium	75 - 125	47.2		0.5	U	50.00	94.4		6010C
Calcium		99000		90000		10000.00	90.0		6010C
Chromium	89 - 117	194		2.0	U	200.00	97.0		6010C
Cobalt	88 - 117	480		1.0	U	500.00	96.0		6010C
Copper	86 - 113	233		2.0	U	250.00	93.2		6010C
Iron	75 - 125	967		20.0	U	1000.00	96.7		6010C
Lead	75 - 125	493		10.0	U	500.00	98.6		6010C
Magnesium	75 - 125	45000		35400		10000.00	96.0		6010C
Manganese	84 - 121	480		5.0	U	500.00	96.0		6010C
Mercury	76 - 126	1.00		0.2	U	1.00	100.0		7470A
Potassium	75 - 125	17900		8020		10000.00	98.8		6010C
Selenium	82 - 119	913		20.0	U	1000.00	91.3		6010C
Silver	79 - 120	47.0		2.0	U	50.00	94.0		6010C
Sodium	75 - 125	46300		36500		10000.00	98.0		6010C
Thallium	75 - 125	1010		10.0	U	1000.00	101.0		6010C
Tin	75 - 125	10300		10.0	U	10000.00	103.0		6010C
Vanadium	89 - 115	518		13.7		500.00	100.9		6010C
Zinc	87 - 113	462		2.0	U	500.00	92.4		6010C

An empty field in the Control Limit column indicates the control limit is not applicable

Metals
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SPIKE SAMPLE RECOVERY

Client: Schwyn Environmental Services Service Request: K1205452
 Project No.: NA Units: UG/L
 Project Name: Sudbury Road Landfill RI Basis: NA
 Matrix: WATER

Sample Name: MW-11S

Lab Code: K1205452-001DISSS

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Antimony	86 - 116	474		10.0	U	500.00	94.8		6010C
Arsenic	79 - 121	952		10.0	U	1000.00	95.2		6010C
Barium	80 - 124	2010		66.9		2000.00	97.2		6010C
Beryllium	87 - 114	48.7		0.2	U	50.00	97.4		6010C
Cadmium	75 - 125	47.5		0.5	U	50.00	95.0		6010C
Calcium		98500		89400		10000.00	91.0		6010C
Chromium	89 - 117	196		2.0	U	200.00	98.0		6010C
Cobalt	88 - 117	480		1.0	U	500.00	96.0		6010C
Copper	86 - 113	231		2.0	U	250.00	92.4		6010C
Iron	75 - 125	963		20.0	U	1000.00	96.3		6010C
Lead	75 - 125	498		10.0	U	500.00	99.6		6010C
Magnesium	75 - 125	44400		35400		10000.00	90.0		6010C
Manganese	84 - 121	484		5.0	U	500.00	96.8		6010C
Potassium	75 - 125	17600		8010		10000.00	95.9		6010C
Selenium	82 - 119	919		20.0	U	1000.00	91.9		6010C
Silver	79 - 120	46.8		2.0	U	50.00	93.6		6010C
Sodium	75 - 125	45400		36700		10000.00	87.0		6010C
Thallium	75 - 125	1020		10.0	U	1000.00	102.0		6010C
Tin	75 - 125	10400		10.0	U	10000.00	104.0		6010C
Vanadium	89 - 115	521		14.2		500.00	101.4		6010C
Zinc	87 - 113	468		2.0	U	500.00	93.6		6010C

An empty field in the Control Limit column indicates the control limit is not applicable

COLUMBIA ANALYTICAL SERVICES, INC.

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**Metals
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DUPLICATES**

Client: Schwyn Environmental Services Service Request: K1205452
 Project No.: NA Units: UG/L
 Project Name: Sudbury Road Landfill RI Basis: NA
 Matrix: WATER

Sample Name: MW-11D

Lab Code: K1205452-001D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony		10.0	U	10.0	U			6010C
Arsenic		10.0	U	10.0	U			6010C
Barium	20	67.3		67.1		0.3		6010C
Beryllium		0.2	U	0.2	U			6010C
Cadmium		0.5	U	0.5	U			6010C
Calcium	20	90000		89100		1.0		6010C
Chromium		2.0	U	2.0	U			6010C
Cobalt		1.0	U	1.0	U			6010C
Copper		2.0	U	2.0	U			6010C
Iron		20.0	U	20.0	U			6010C
Lead		10.0	U	10.0	U			6010C
Magnesium	20	35400		35600		0.6		6010C
Manganese		5.0	U	5.0	U			6010C
Mercury		0.2	U	0.2	U			7470A
Potassium	20	8020		8070		0.6		6010C
Selenium		20.0	U	20.0	U			6010C
Silver		2.0	U	2.0	U			6010C
Sodium	20	36500		36800		0.8		6010C
Thallium		10.0	U	10.0	U			6010C
Tin		10.0	U	10.0	U			6010C
Vanadium	20	13.7		13.4		2.2		6010C
Zinc		2.0	U	2.0	U			6010C

An empty field in the Control Limit column indicates the control limit is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

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Metals

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DUPLICATES

Client: Schwyn Environmental Services

Service Request: K1205452

Project No.: NA

Units: UG/L

Project Name: Sudbury Road Landfill RI

Basis: NA

Matrix: WATER

Sample Name: MW-11D

Lab Code: K1205452-001DISSD

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony		10.0	U	10.0	U			6010C
Arsenic		10.0	U	10.0	U			6010C
Barium	20	66.9		66.2		1.1		6010C
Beryllium		0.2	U	0.2	U			6010C
Cadmium		0.5	U	0.5	U			6010C
Calcium	20	89400		88600		0.9		6010C
Chromium		2.0	U	2.0	U			6010C
Cobalt		1.0	U	1.0	U			6010C
Copper		2.0	U	2.0	U			6010C
Iron		20.0	U	20.0	U			6010C
Lead		10.0	U	10.0	U			6010C
Magnesium	20	35400		35100		0.9		6010C
Manganese		5.0	U	5.0	U			6010C
Potassium	20	8010		7910		1.3		6010C
Selenium		20.0	U	20.0	U			6010C
Silver		2.0	U	2.0	U			6010C
Sodium	20	36700		36300		1.1		6010C
Thallium		10.0	U	10.0	U			6010C
Tin		10.0	U	10.0	U			6010C
Vanadium	20	14.2		13.6		4.3		6010C
Zinc		2.0	U	2.0	U			6010C

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

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LABORATORY CONTROL SAMPLE

Client: Schwyn Environmental Services

Service Request: K1205452

Project No.: NA

Project Name: Sudbury Road Landfill RI

Aqueous LCS Source: CAS MIXED

Solid LCS Source:

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Antimony	2500	2450	98.0					
Arsenic	2500	2400	96.0					
Barium	5000	4890	97.8					
Beryllium	125	123	98.4					
Cadmium	1250	1210	96.8					
Calcium	12500	12200	97.6					
Chromium	500	493	98.6					
Cobalt	1250	1240	99.2					
Copper	625	604	96.6					
Iron	2500	2380	95.2					
Lead	2500	2470	98.8					
Magnesium	12500	12200	97.6					
Manganese	1250	1240	99.2					
Mercury	5	5.16	103.2					
Potassium	12500	12300	98.4					
Selenium	2500	2370	94.8					
Silver	625	587	93.9					
Sodium	12500	12400	99.2					
Thallium	2500	2540	101.6					
Tin	10000	10000	100.0					
Vanadium	1250	1260	100.8					
Zinc	1250	1190	95.2					

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Organochlorine Pesticides

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
beta-BHC	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
gamma-BHC (Lindane)	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
delta-BHC	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Heptachlor	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Aldrin	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Heptachlor Epoxide	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Endosulfan I	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Dieldrin	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDE	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Endrin	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Endosulfan II	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDD	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Endrin Aldehyde	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Endosulfan Sulfate	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDT	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Methoxychlor	ND	U	0.0099	1	06/13/12	06/15/12	KWG1206513	
Toxaphene	ND	U	0.50	1	06/13/12	06/15/12	KWG1206513	
Chlordane	ND	U	0.20	1	06/13/12	06/15/12	KWG1206513	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	88	20-106	06/15/12	Acceptable
Decachlorobiphenyl	105	19-127	06/15/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG1206513-6
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
beta-BHC	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
gamma-BHC (Lindane)	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
delta-BHC	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Heptachlor	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Aldrin	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Heptachlor Epoxide	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endosulfan I	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Dieldrin	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDE	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endrin	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endosulfan II	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDD	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endrin Aldehyde	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Endosulfan Sulfate	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
4,4'-DDT	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Methoxychlor	ND	U	0.0098	1	06/13/12	06/15/12	KWG1206513	
Toxaphene	ND	U	0.49	1	06/13/12	06/15/12	KWG1206513	
Chlordane	ND	U	0.20	1	06/13/12	06/15/12	KWG1206513	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	20-106	06/15/12	Acceptable
Decachlorobiphecuyl	91	19-127	06/15/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452

Surrogate Recovery Summary
Organochlorine Pesticides

Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
MW-11	K1205452-001	88	105
Method Blank	KWG1206513-6	74	91
MW-11MS	KWG1206513-1	74	91
MW-11DMS	KWG1206513-2	74	91
Lab Control Sample	KWG1206513-3	74	87
Lab Control Sample	KWG1206513-4	70	91
Duplicate Lab Control Sample	KWG1206513-5	69	79

Surrogate Recovery Control Limits (%)

Sur1 = Tetrachloro-m-xylene 20-106
Sur2 = Decachlorobiphenyl 19-127

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/15/2012

Matrix Spike/Duplicate Matrix Spike Summary
Organochlorine Pesticides

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206513

Analyte Name	Sample Result	MW-11MS KWG1206513-1 Matrix Spike			MW-11DMS KWG1206513-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
alpha-BHC	ND	0.174	0.196	89	0.179	0.196	91	31-123	3	30
beta-BHC	ND	0.164	0.196	83	0.169	0.196	86	31-118	3	30
gamma-BHC (Lindane)	ND	0.177	0.196	90	0.182	0.196	93	31-123	3	30
delta-BHC	ND	0.188	0.196	96	0.194	0.196	99	40-129	3	30
Heptachlor	ND	0.174	0.196	89	0.184	0.196	94	23-124	6	30
Aldrin	ND	0.133	0.196	68	0.150	0.196	76	18-111	12	30
Heptachlor Epoxide	ND	0.171	0.196	87	0.176	0.196	90	28-122	3	30
Endosulfan I	ND	0.139	0.196	71	0.145	0.196	74	17-118	4	30
Dieldrin	ND	0.171	0.196	87	0.176	0.196	90	32-121	3	30
4,4'-DDE	ND	0.166	0.196	85	0.173	0.196	88	24-129	4	30
Endrin	ND	0.173	0.196	88	0.186	0.196	95	34-133	8	30
Endosulfan II	ND	0.154	0.196	79	0.159	0.196	81	19-122	3	30
4,4'-DDD	ND	0.170	0.196	87	0.177	0.196	90	29-125	4	30
Endrin Aldehyde	ND	0.169	0.196	86	0.172	0.196	88	10-108	2	30
Endosulfan Sulfate	ND	0.172	0.196	88	0.176	0.196	90	30-120	2	30
4,4'-DDT	ND	0.184	0.196	94	0.190	0.196	97	28-139	3	30
Methoxychlor	ND	0.182	0.196	93	0.189	0.196	96	30-137	4	30

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/15/2012

Lab Control Spike Summary
Organochlorine Pesticides

Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206513

Lab Control Sample
 KWG1206513-3
 Lab Control Spike

Analyte Name	Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
alpha-BHC	0.178	0.200	89	36-122
beta-BHC	0.166	0.200	83	42-125
gamma-BHC (Lindane)	0.179	0.200	90	44-117
delta-BHC	0.191	0.200	96	48-123
Heptachlor	0.180	0.200	90	40-115
Aldrin	0.139	0.200	69	10-102
Heptachlor Epoxide	0.173	0.200	87	49-109
Endosulfan I	0.141	0.200	71	35-115
Dieldrin	0.173	0.200	86	50-115
4,4'-DDE	0.167	0.200	83	41-116
Endrin	0.180	0.200	90	48-126
Endosulfan II	0.154	0.200	77	28-128
4,4'-DDD	0.172	0.200	86	33-132
Endrin Aldehyde	0.157	0.200	78	27-104
Endosulfan Sulfate	0.169	0.200	84	38-118
4,4'-DDT	0.183	0.200	92	42-143
Methoxychlor	0.176	0.200	88	43-143

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/15/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Organochlorine Pesticides**

Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206513

Analyte Name	Lab Control Sample KWG1206513-4 Lab Control Spike			Duplicate Lab Control Sample KWG1206513-5 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Chlordane	2.22	2.00	111	1.91	2.00	96	45-148	15	30
Toxaphene	1.85	2.00	92	1.87	2.00	94	36-137	1	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Polychlorinated Biphenyls (PCBs)

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1221	ND	U	0.40	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1232	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1242	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1248	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1254	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1260	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1262	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	105	36-113	06/17/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG1206512-4
Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1221	ND	U	0.39	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1232	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1242	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1248	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1254	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1260	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	
Aroclor 1262	ND	U	0.20	1	06/13/12	06/17/12	KWG1206512	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	101	36-113	06/17/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill R1
Sample Matrix: Water

Service Request: K1205452

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3535A

Analysis Method: 8082A

Units: PERCENT

Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
MW-11	K1205452-001	105
Method Blank	KWG1206512-4	101
MW-11MS	KWG1206512-1	98
MW-11DMS	KWG1206512-2	102
Lab Control Sample	KWG1206512-3	91

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 36-113

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Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/17/2012

**Matrix Spike/Duplicate Matrix Spike Summary
 Polychlorinated Biphenyls (PCBs)**

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206512

Analyte Name	Sample Result	MW-11MS KWG1206512-1 Matrix Spike			MW-11DMS KWG1206512-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Aroclor 1016	ND	1.85	1.96	94	1.72	1.96	88	31-118	7	30
Aroclor 1260	ND	1.86	1.96	95	1.75	1.96	89	47-115	6	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/17/2012

Lab Control Spike Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3535A
Analysis Method: 8082A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206512

Analyte Name	Lab Control Sample KWG1206512-3 Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Aroclor 1016	1.67	2.00	83	41-113
Aroclor 1260	1.74	2.00	87	47-117

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Organophosphorus Pesticides

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phorate	ND	U	0.50	1	06/13/12	06/24/12	KWG1206535	
Sulfotep	ND	U	0.20	1	06/13/12	06/24/12	KWG1206535	
Disulfoton	ND	U	0.99	1	06/13/12	06/24/12	KWG1206535	
Dimethoate	ND	U	0.50	1	06/13/12	06/24/12	KWG1206535	
Methyl Parathion	ND	U	0.50	1	06/13/12	06/24/12	KWG1206535	
Ethyl Parathion	ND	U	0.50	1	06/13/12	06/24/12	KWG1206535	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tributyl Phosphate	107	54-115	06/24/12	Acceptable
Triphenyl Phosphate	95	57-112	06/24/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Organophosphorus Pesticides

Sample Name: Method Blank
Lab Code: KWG1206535-6
Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phorate	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Sulfotep	ND	U	0.20	1	06/13/12	06/24/12	KWG1206535	
Disulfoton	ND	U	0.98	1	06/13/12	06/24/12	KWG1206535	
Dimethoate	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Methyl Parathion	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	
Ethyl Parathion	ND	U	0.49	1	06/13/12	06/24/12	KWG1206535	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tributyl Phosphate	104	54-115	06/24/12	Acceptable
Triphenyl Phosphate	86	57-112	06/24/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452

Surrogate Recovery Summary
Organophosphorus Pesticides

Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
MW-11	K1205452-001	107	95
Batch QC	K1205520-007	100	86
Batch QC	K1205520-008	99	93
Batch QC	K1205520-009	105	96
Method Blank	KWG1206535-6	104	86
MW-11MS	KWG1206535-1	102	85
MW-11DMS	KWG1206535-2	98	89
Lab Control Sample	KWG1206535-3	98	81
Lab Control Sample	KWG1206535-4	102	86
Duplicate Lab Control Sample	KWG1206535-5	100	88

Surrogate Recovery Control Limits (%)

Sur1 = Tributyl Phosphate 54-115
Sur2 = Triphenyl Phosphate 57-112

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/24/2012

Matrix Spike/Duplicate Matrix Spike Summary
Organophosphorus Pesticides

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206535

Analyte Name	Sample Result	MW-11MS KWG1206535-1 Matrix Spike			MW-11DMS KWG1206535-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Sulfotep	ND	1.65	1.98	83	1.65	1.96	84	40-111	0	30
Methyl Parathion	ND	2.31	1.98	116	2.21	1.96	113	44-127	4	30
Ethyl Parathion	ND	1.91	1.98	96	1.90	1.96	97	46-127	0	30

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/24/2012

Lab Control Spike Summary
Organophosphorus Pesticides

Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206535

Lab Control Sample
KWG1206535-3
Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
Sulfotep	1.57	2.00	78	40-111
Methyl Parathion	2.16	2.00	108	44-127
Ethyl Parathion	1.74	2.00	87	46-127

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/24/2012 -
 06/26/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Organophosphorus Pesticides**

Extraction Method: EPA 3535A
Analysis Method: 8141B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206535

Analyte Name	Lab Control Sample KWG1206535-4 Lab Control Spike			Duplicate Lab Control Sample KWG1206535-5 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Phorate	2.05	2.00	102	1.97	2.00	98	29-128	4	30
Disulfoton	2.24	2.00	112	2.09	2.00	104	33-119	7	30
Dimethoate	1.90	2.00	95	2.00	2.00	100	35-132	5	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Chlorinated Herbicides

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: METHOD
Analysis Method: 8151A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,4-D	ND	U	0.40	1	06/13/12	06/22/12	KWG1206627	
2,4,5-TP (Silvex)	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	
2,4,5-T	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	
Dinoseb	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4-Dichlorophenylacetic Acid	71	17-113	06/22/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Chlorinated Herbicides

Sample Name: Method Blank
Lab Code: KWG1206627-6
Extraction Method: METHOD
Analysis Method: 8151A

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,4-D	ND	U	0.39	1	06/13/12	06/22/12	KWG1206627	
2,4,5-TP (Silvex)	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	
2,4,5-T	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	
Dinoseb	ND	U	0.20	1	06/13/12	06/22/12	KWG1206627	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2,4-Dichlorophenylacetic Acid	69	17-113	06/22/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452

Surrogate Recovery Summary
Chlorinated Herbicides

Extraction Method: METHOD
Analysis Method: 8151A

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
MW-11	K1205452-001	71
Method Blank	KWG1206627-6	69
MW-11MS	KWG1206627-3	75
MW-11DMS	KWG1206627-4	81
Lab Control Sample	KWG1206627-5	82

Surrogate Recovery Control Limits (%)

Sur1 = 2,4-Dichlorophenylacetic Acid 17-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/22/2012

**Matrix Spike/Duplicate Matrix Spike Summary
 Chlorinated Herbicides**

Sample Name: MW-11
Lah Code: K1205452-001
Extraction Method: METHOD
Analysis Method: 8151A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206627

Analyte Name	Sample Result	MW-11MS KWG1206627-3 Matrix Spike			MW-11DMS KWG1206627-4 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
2,4-D	ND	1.57	2.43	65	1.64	2.40	68	41-108	4	30
2,4,5-TP (Silvex)	ND	1.72	2.43	71	1.79	2.40	75	44-108	5	30
2,4,5-T	ND	1.70	2.43	70	1.77	2.40	74	31-106	4	30
Dinoseb	ND	1.18	2.43	49	1.54	2.40	64	44-81	26	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/22/2012

Lab Control Spike Summary
Chlorinated Herbicides

Extraction Method: METHOD
Analysis Method: 8151A

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206627

Lab Control Sample
KWG1206627-5

Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
2,4-D	1.68	2.50	67	35-110
2,4,5-TP (Silvex)	1.79	2.50	71	37-114
2,4,5-T	1.80	2.50	72	30-120
Dinoseb	1.42	2.50	57	11-105

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	0.56		0.50	1	06/13/12	06/13/12	KWG1206404	
Chloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Chloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichlorofluoromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Acetone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Iodomethane	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
Carbon Disulfide	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Methylene Chloride	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Acrylonitrile	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Acetate	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
2-Butanone (MEK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Bromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroform	1.1		0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Carbon Tetrachloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Benzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichloroethene (TCE)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Dibromouethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromodichloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Toluene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
1,1,2-Trichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Tetrachloroethene (PCE)	1.2		0.50	1	06/13/12	06/13/12	KWG1206404	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Dibromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Chlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Ethylbenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
m,p-Xylenes	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
o-Xylene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Styrene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromoform	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	
1,2,3-Trichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,4-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	78	73-122	06/13/12	Acceptable
Toluene-d8	89	65-144	06/13/12	Acceptable
4-Bromofluorobenzene	78	68-117	06/13/12	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-21D
Lab Code: K1205452-002
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Chloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichlorofluoromethane	0.53		0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Acetone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Iodomethane	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
Carbon Disulfide	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Methylene Chloride	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Acrylonitrile	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Acetate	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
2-Butanone (MEK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Bromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroform	0.54		0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Carbou Tetrachloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Benzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichloroethene (TCE)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Dibromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromodichloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Toluene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
1,1,2-Trichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Tetrachloroethene (PCE)	0.89		0.50	1	06/13/12	06/13/12	KWG1206404	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-21D
Lab Code: K1205452-002
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Dibromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Chlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Ethylbenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
m,p-Xylenes	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
o-Xylene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Styrene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromoform	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	
1,2,3-Trichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,4-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	80	73-122	06/13/12	Acceptable
Toluene-d8	88	65-144	06/13/12	Acceptable
4-Bromofluorobenzene	78	68-117	06/13/12	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-21S
Lab Code: K1205452-003
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	0.60		0.50	1	06/13/12	06/13/12	KWG1206404	
Chloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Chloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichlorofluoromethane	0.93		0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Acetone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Iodomethane	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
Carbon Disulfide	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Methylene Chloride	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Acrylonitrile	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Acetate	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
2-Butanone (MEK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Bromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroform	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Carbon Tetrachloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Benzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichloroethene (TCE)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Dibromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromodichloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Toluene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
1,1,2-Trichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Tetrachloroethene (PCE)	0.84		0.50	1	06/13/12	06/13/12	KWG1206404	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-21S
Lab Code: K1205452-003
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Dibromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Chlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Ethylbenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
m,p-Xylenes	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
o-Xylene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Styrene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromoform	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	
1,2,3-Trichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,4-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	78	73-122	06/13/12	Acceptable
Toluene-d8	88	65-144	06/13/12	Acceptable
4-Bromofluorobenzene	79	68-117	06/13/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-22D
Lab Code: K1205452-004
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Chloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichlorofluoromethane	0.64		0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Acetone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Iodomethane	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
Carbon Disulfide	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Methylene Chloride	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Acrylonitrile	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Acetate	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
2-Butanone (MEK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Bromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroform	0.55		0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Carbon Tetrachloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Benzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichloroethene (TCE)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Dibromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromodichloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Toluene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
1,1,2-Trichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Tetrachloroethene (PCE)	0.83		0.50	1	06/13/12	06/13/12	KWG1206404	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-22D
Lab Code: K1205452-004
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Dibromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Chlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Ethylbenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
m,p-Xylenes	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
o-Xylene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Styrene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromoform	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	
1,2,3-Trichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,4-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	81	73-122	06/13/12	Acceptable
Toluene-d8	89	65-144	06/13/12	Acceptable
4-Bromofluorobenzene	77	68-117	06/13/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-22S
Lab Code: K1205452-005
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	0.68		0.50	1	06/13/12	06/13/12	KWG1206404	
Chloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Chloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichlorofluoromethane	0.98		0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Acetone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Iodomethane	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
Carbon Disulfide	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Methylene Chloride	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Acrylonitrile	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Acetate	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
2-Butanone (MEK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Bromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroform	0.57		0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Carbon Tetrachloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Benzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichloroethene (TCE)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Dibromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromodichloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Toluene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
1,1,2-Trichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Tetrachloroethene (PCE)	0.97		0.50	1	06/13/12	06/13/12	KWG1206404	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-22S
Lab Code: K1205452-005
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Dibromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Chlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Ethylbenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
m,p-Xyleues	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
o-Xylene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Styrene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromoform	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	
1,2,3-Trichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,4-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	79	73-122	06/13/12	Acceptable
Toluene-d8	90	65-144	06/13/12	Acceptable
4-Bromofluorobenzene	77	68-117	06/13/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-9
Lab Code: K1205452-006
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Vinyl Chloride	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromomethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Trichlorofluoromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Acetone	ND	U	20	1	06/12/12	06/12/12	KWG1206333	
Iodomethane	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
Carbon Disulfide	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Methylene Chloride	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	
Acrylonitrile	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1-Dichloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Vinyl Acetate	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
2-Butanone (MEK)	ND	U	20	1	06/12/12	06/12/12	KWG1206333	*
Bromochloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloroform	0.81		0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Carbon Tetrachloride	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Benzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Trichloroethene (TCE)	1.4		0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichloropropane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Dibromomethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromodichloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/12/12	06/12/12	KWG1206333	
Toluene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,2-Trichloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Tetrachloroethene (PCE)	0.54		0.50	1	06/12/12	06/12/12	KWG1206333	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-9
Lab Code: K1205452-006
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/12/12	06/12/12	KWG1206333	*
Dibromochloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	
Chlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Ethylbenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
m,p-Xylenes	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
o-Xylene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Styrene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromoform	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/12/12	06/12/12	KWG1206333	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/12/12	06/12/12	KWG1206333	
1,2,3-Trichloropropane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,4-Dichlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	80	73-122	06/12/12	Acceptable
Toluene-d8	90	65-144	06/12/12	Acceptable
4-Bromofluorobenzene	79	68-117	06/12/12	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-10
Lab Code: K1205452-007
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Vinyl Chloride	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromomethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Trichlorofluoromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Acetone	ND	U	20	1	06/12/12	06/12/12	KWG1206333	
Iodomethane	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
Carbon Disulfide	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Methylene Chloride	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	
Acrylonitrile	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1-Dichloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Vinyl Acetate	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
2-Butanone (MEK)	ND	U	20	1	06/12/12	06/12/12	KWG1206333	*
Bromochloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloroform	1.6		0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Carbon Tetrachloride	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Benzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Trichloroethene (TCE)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichloropropane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Dibromomethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromodichloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/12/12	06/12/12	KWG1206333	
Toluene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,2-Trichloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Tetrachloroethene (PCE)	0.68		0.50	1	06/12/12	06/12/12	KWG1206333	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-10
Lab Code: K1205452-007
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/12/12	06/12/12	KWG1206333	*
Dibromochloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	
Chlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Ethylbenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
m,p-Xylenes	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
o-Xylene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Styrene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromoform	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/12/12	06/12/12	KWG1206333	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/12/12	06/12/12	KWG1206333	
1,2,3-Trichloropropane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,4-Dichlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	79	73-122	06/12/12	Acceptable
Toluene-d8	89	65-144	06/12/12	Acceptable
4-Bromofluorobenzene	81	68-117	06/12/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-5
Lab Code: K1205452-008
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Vinyl Chloride	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromomethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Trichlorofluoromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Acetone	ND	U	20	1	06/12/12	06/12/12	KWG1206333	
Iodomethane	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
Carbon Disulfide	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Methylene Chloride	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	
Acrylonitrile	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1-Dichloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Vinyl Acetate	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
2-Butanone (MEK)	ND	U	20	1	06/12/12	06/12/12	KWG1206333	*
Bromochloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloroform	0.57		0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Carbon Tetrachloride	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Benzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Trichloroethene (TCE)	1.7		0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichloropropane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Dibromomethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromodichloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/12/12	06/12/12	KWG1206333	
Toluene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,2-Trichloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Tetrachloroethene (PCE)	0.77		0.50	1	06/12/12	06/12/12	KWG1206333	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-5
Lab Code: K1205452-008
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/12/12	06/12/12	KWG1206333	*
Dibromochloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	
Chlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Ethylbenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
m,p-Xylenes	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
o-Xylene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Styrene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromoform	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/12/12	06/12/12	KWG1206333	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/12/12	06/12/12	KWG1206333	
1,2,3-Trichloropropane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,4-Dichlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	79	73-122	06/12/12	Acceptable
Toluene-d8	89	65-144	06/12/12	Acceptable
4-Bromofluorobenzene	80	68-117	06/12/12	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: TB
Lab Code: K1205452-009
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Vinyl Chloride	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromomethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Trichlorofluoromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Acetone	ND	U	20	1	06/12/12	06/12/12	KWG1206333	
Iodomethane	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
Carbon Disulfide	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Methylene Chloride	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	
Acrylonitrile	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1-Dichloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Vinyl Acetate	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
2-Butanone (MEK)	ND	U	20	1	06/12/12	06/12/12	KWG1206333	*
Bromochloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloroform	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Carbon Tetrachloride	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Benzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Trichloroethene (TCE)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichloropropane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Dibromomethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromodichloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/12/12	06/12/12	KWG1206333	
Toluene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,2-Trichloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Tetrachloroethene (PCE)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: TB
Lab Code: K1205452-009
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/12/12	06/12/12	KWG1206333	*
Dibromochloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	
Chlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Ethylbenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
m,p-Xylenes	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
o-Xylene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Styrene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromoform	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/12/12	06/12/12	KWG1206333	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/12/12	06/12/12	KWG1206333	
1,2,3-Trichloropropane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,4-Dichlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	79	73-122	06/12/12	Acceptable
Toluene-d8	90	65-144	06/12/12	Acceptable
4-Bromofluorobenzene	79	68-117	06/12/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206333-5
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Vinyl Chloride	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromomethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Trichlorofluoromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Acetone	ND	U	20	1	06/12/12	06/12/12	KWG1206333	
Iodomethane	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
Carbon Disulfide	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Methylene Chloride	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	
Acrylonitrile	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1-Dichloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Vinyl Acetate	ND	U	5.0	1	06/12/12	06/12/12	KWG1206333	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
2-Butanone (MEK)	ND	U	20	1	06/12/12	06/12/12	KWG1206333	*
Bromochloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Chloroform	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Carbon Tetrachloride	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Benzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Trichloroethene (TCE)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichloropropane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Dibromomethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromodichloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/12/12	06/12/12	KWG1206333	
Toluene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,2-Trichloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Tetrachloroethene (PCE)	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206333-5
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/12/12	06/12/12	KWG1206333	*
Dibromochloromethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	
Chlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Ethylbenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
m,p-Xylenes	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
o-Xylene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Styrene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
Bromoform	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/12/12	06/12/12	KWG1206333	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/12/12	06/12/12	KWG1206333	
1,2,3-Trichloropropane	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,4-Dichlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dichlorobenzene	ND	U	0.50	1	06/12/12	06/12/12	KWG1206333	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/12/12	06/12/12	KWG1206333	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	78	73-122	06/12/12	Acceptable
Toluene-d8	88	65-144	06/12/12	Acceptable
4-Bromofluorobenzene	79	68-117	06/12/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206404-5
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Chloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichlorofluoromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Acetone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Iodomethane	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
Carbon Disulfide	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Methylene Chloride	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Acrylonitrile	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1-Dichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Vinyl Acetate	ND	U	5.0	1	06/13/12	06/13/12	KWG1206404	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
2-Butanone (MEK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Bromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Chloroform	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Carbon Tetrachloride	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Benzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Trichloroethene (TCE)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Dibromomethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromodichloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Toluene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,3-Dichloropropene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
1,1,2-Trichloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Tetrachloroethene (PCE)	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206404-5
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2-Hexanone	ND	U	20	1	06/13/12	06/13/12	KWG1206404	
Dibromochloromethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	
Chlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Ethylbenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
m,p-Xylenes	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
o-Xylene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Styrene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
Bromoform	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
trans-1,4-Dichloro-2-butene	ND	U	10	1	06/13/12	06/13/12	KWG1206404	
1,2,3-Trichloropropane	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,4-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dichlorobenzene	ND	U	0.50	1	06/13/12	06/13/12	KWG1206404	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	06/13/12	06/13/12	KWG1206404	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	79	73-122	06/13/12	Acceptable
Toluene-d8	90	65-144	06/13/12	Acceptable
4-Bromofluorobenzene	79	68-117	06/13/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452

**Surrogate Recovery Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>
MW-11	K1205452-001	78	89	78
MW-21D	K1205452-002	80	88	78
MW-21S	K1205452-003	78	88	79
MW-22D	K1205452-004	81	89	77
MW-22S	K1205452-005	79	90	77
MW-9	K1205452-006	80	90	79
MW-10	K1205452-007	79	89	81
MW-5	K1205452-008	79	89	80
TB	K1205452-009	79	90	79
Method Blank	KWG1206333-5	78	88	79
Method Blank	KWG1206404-5	79	90	79
MW-11MS	KWG1206404-1	86	92	83
MW-11DMS	KWG1206404-2	85	91	82
Lab Control Sample	KWG1206333-3	85	93	81
Duplicate Lab Control Sample	KWG1206333-4	86	93	85
Lab Control Sample	KWG1206404-3	83	93	81
Duplicate Lab Control Sample	KWG1206404-4	87	92	81

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	73-122
Sur2 = Toluene-d8	65-144
Sur3 = 4-Bromofluorobenzene	68-117

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/13/2012

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206404

Analyte Name	Sample Result	MW-11MS KWG1206404-1 Matrix Spike			MW-11DMS KWG1206404-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Vinyl Chloride	ND	9.49	10.0	95	9.27	10.0	93	49-136	2	30
1,1-Dichloroethene	ND	12.1	10.0	121	12.0	10.0	120	59-171	1	30
Chloroform	1.1	11.4	10.0	103	11.2	10.0	101	64-133	2	30
Carbon Tetrachloride	ND	9.71	10.0	97	9.69	10.0	97	53-161	0	30
Benzene	ND	9.61	10.0	96	9.48	10.0	95	63-144	1	30
Trichloroethene (TCE)	ND	9.96	10.0	100	9.71	10.0	97	53-139	3	30
Bromodichloromethane	ND	8.65	10.0	87	8.56	10.0	86	61-134	1	30
Toluene	ND	9.71	10.0	97	9.63	10.0	96	71-136	1	30
1,1,2-Trichloroethane	ND	8.88	10.0	89	8.92	10.0	89	74-124	0	30
2-Hexanone	ND	44.9	50.0	90	44.6	50.0	89	53-132	1	30
Chlorobenzene	ND	9.96	10.0	100	9.66	10.0	97	69-126	3	30
Ethylbenzene	ND	9.48	10.0	95	9.20	10.0	92	66-136	3	30
1,2,3-Trichloropropane	ND	9.50	10.0	95	9.75	10.0	98	71-127	3	30
1,2-Dichlorobenzene	ND	9.46	10.0	95	9.63	10.0	96	72-119	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/12/2012
Date Analyzed: 06/12/2012

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206333

Analyte Name	Lab Control Sample KWG1206333-3 Lab Control Spike			Duplicate Lab Control Sample KWG1206333-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Dichlorodifluoromethane	8.35	10.0	84	8.16	10.0	82	32-124	2	30
Chloromethane	7.86	10.0	79	7.78	10.0	78	34-130	1	30
Vinyl Chloride	7.52	10.0	75	7.24	10.0	72	55-123	4	30
Bromomethane	7.33	10.0	73	7.51	10.0	75	35-113	2	30
Chloroethane	8.52	10.0	85	8.20	10.0	82	58-134	4	30
Trichlorofluoromethane	7.97	10.0	80	7.70	10.0	77	52-141	3	30
1,1-Dichloroethene	9.93	10.0	99	9.57	10.0	96	66-129	4	30
Acetone	54.4	50.0	109	52.3	50.0	105	68-135	4	30
Iodomethane	42.9	30.0	143	43.6	30.0	145	51-164	2	30
Carbon Disulfide	13.1	20.0	65	12.8	20.0	64	46-144	2	30
Methylene Chloride	8.77	10.0	88	8.60	10.0	86	71-122	2	30
Acrylonitrile	36.9	40.0	92	36.9	40.0	92	65-129	0	30
trans-1,2-Dichloroethene	8.75	10.0	88	8.42	10.0	84	67-125	4	30
1,1-Dichloroethane	8.89	10.0	89	8.53	10.0	85	68-132	4	30
Vinyl Acetate	40.3	50.0	81	38.2	50.0	76	44-156	5	30
cis-1,2-Dichloroethene	8.28	10.0	83	8.00	10.0	80	71-118	3	30
2-Butanone (MEK)	44.0	50.0	88	44.6	50.0	89	71-149	1	30
Bromochloromethane	9.61	10.0	96	9.40	10.0	94	75-131	2	30
Chloroform	8.91	10.0	89	8.68	10.0	87	70-129	3	30
1,1,1-Trichloroethane (TCA)	8.08	10.0	81	7.87	10.0	79	59-136	3	30
Carbon Tetrachloride	7.81	10.0	78	7.86	10.0	79	55-140	1	30
Benzene	8.34	10.0	83	8.10	10.0	81	69-124	3	30
1,2-Dichloroethane (EDC)	9.80	10.0	98	9.65	10.0	97	56-142	2	30
Trichloroethene (TCE)	8.35	10.0	84	7.97	10.0	80	67-128	5	30
1,2-Dichloropropane	8.23	10.0	82	8.11	10.0	81	67-126	1	30
Dibromomethane	8.64	10.0	86	8.44	10.0	84	69-128	2	30
Bromodichloromethane	7.69	10.0	77	7.67	10.0	77	63-129	0	30
cis-1,3-Dichloropropene	7.72	10.0	77	7.59	10.0	76	62-132	2	30
4-Methyl-2-pentanone (MIBK)	43.6	50.0	87	42.8	50.0	86	64-134	2	30
Toluene	8.35	10.0	84	8.12	10.0	81	69-124	3	30
trans-1,3-Dichloropropene	6.57	10.0	66	6.73	10.0	67	59-125	2	30
1,1,2-Trichloroethane	8.05	10.0	81	8.15	10.0	82	74-118	1	30
Tetrachloroethene (PCE)	8.56	10.0	86	8.73	10.0	87	62-126	2	30
2-Hexanone	42.4	50.0	85	42.0	50.0	84	59-131	1	30
Dibromochloromethane	7.36	10.0	74	7.54	10.0	75	67-126	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/12/2012
Date Analyzed: 06/12/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206333

Analyte Name	Lab Control Sample KWG1206333-3 Lab Control Spike			Duplicate Lab Control Sample KWG1206333-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
1,2-Dibromoethane (EDB)	8.53	10.0	85	8.49	10.0	85	74-118	0	30
Chlorobenzene	8.47	10.0	85	8.47	10.0	85	72-116	0	30
Ethylbenzene	7.95	10.0	80	8.03	10.0	80	67-121	1	30
1,1,1,2-Tetrachloroethane	7.89	10.0	79	7.83	10.0	78	66-124	1	30
m,p-Xylenes	16.4	20.0	82	16.5	20.0	82	69-121	1	30
o-Xylene	8.05	10.0	81	8.17	10.0	82	71-119	1	30
Styrene	8.87	10.0	89	8.66	10.0	87	74-121	2	30
Bromoform	6.48	10.0	65	6.72	10.0	67	52-144	4	30
cis-1,4-Dichloro-2-butene	22.0	30.0	73	22.1	30.0	74	26-171	0	30
1,1,2,2-Tetrachloroethane	8.03	10.0	80	7.61	10.0	76	70-127	5	30
trans-1,4-Dichloro-2-butene	24.6	30.0	82	24.1	30.0	80	46-170	2	30
1,2,3-Trichloropropane	9.18	10.0	92	8.91	10.0	89	69-123	3	30
1,4-Dichlorobenzene	8.60	10.0	86	8.38	10.0	84	73-115	3	30
1,2-Dichlorobenzene	8.47	10.0	85	8.29	10.0	83	72-115	2	30
1,2-Dibromo-3-chloropropane	6.56	10.0	66	7.30	10.0	73	55-132	11	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sndbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/13/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206404

Analyte Name	Lab Control Sample KWG1206404-3 Lab Control Spike			Duplicate Lab Control Sample KWG1206404-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Dichlorodifluoromethane	11.1	10.0	111	10.9	10.0	109	32-124	1	30
Chloromethane	9.24	10.0	92	8.86	10.0	89	34-130	4	30
Vinyl Chloride	8.63	10.0	86	8.39	10.0	84	55-123	3	30
Bromomethane	7.90	10.0	79	7.59	10.0	76	35-113	4	30
Chloroethane	9.50	10.0	95	9.55	10.0	96	58-134	1	30
Trichlorofluoromethane	8.96	10.0	90	9.00	10.0	90	52-141	0	30
1,1-Dichloroethene	11.3	10.0	113	11.1	10.0	111	66-129	2	30
Acetone	65.9	50.0	132	67.3	50.0	135	68-135	2	30
Iodomethane	45.0	30.0	150	43.9	30.0	146	51-164	2	30
Carbon Disulfide	13.5	20.0	67	13.3	20.0	67	46-144	1	30
Methylene Chloride	9.70	10.0	97	9.60	10.0	96	71-122	1	30
Acrylonitrile	36.4	40.0	91	39.1	40.0	98	65-129	7	30
trans-1,2-Dichloroethene	9.38	10.0	94	9.60	10.0	96	67-125	2	30
1,1-Dichloroethane	9.53	10.0	95	9.43	10.0	94	68-132	1	30
Vinyl Acetate	40.6	50.0	81	41.6	50.0	83	44-156	3	30
cis-1,2-Dichloroethene	9.12	10.0	91	9.03	10.0	90	71-118	1	30
2-Butanone (MEK)	49.5	50.0	99	49.1	50.0	98	71-149	1	30
Bromochloromethane	10.2	10.0	102	10.6	10.0	106	75-131	4	30
Chloroform	9.55	10.0	96	9.66	10.0	97	70-129	1	30
1,1,1-Trichloroethane (TCA)	8.89	10.0	89	8.87	10.0	89	59-136	0	30
Carbon Tetrachloride	8.78	10.0	88	8.79	10.0	88	55-140	0	30
Benzene	8.94	10.0	89	9.02	10.0	90	69-124	1	30
1,2-Dichloroethane (EDC)	10.6	10.0	106	10.7	10.0	107	56-142	0	30
Trichloroethene (TCE)	9.00	10.0	90	9.00	10.0	90	67-128	0	30
1,2-Dichloropropane	8.70	10.0	87	8.82	10.0	88	67-126	1	30
Dibromomethane	9.04	10.0	90	9.43	10.0	94	69-128	4	30
Bromodichloromethane	8.32	10.0	83	8.34	10.0	83	63-129	0	30
cis-1,3-Dichloropropene	8.29	10.0	83	8.21	10.0	82	62-132	1	30
4-Methyl-2-pentanone (MIBK)	43.9	50.0	88	46.6	50.0	93	64-134	6	30
Toluene	9.00	10.0	90	9.14	10.0	91	69-124	2	30
trans-1,3-Dichloropropene	7.05	10.0	71	7.18	10.0	72	59-125	2	30
1,1,2-Trichloroethane	8.46	10.0	85	8.81	10.0	88	74-118	4	30
Tetrachloroethene (PCE)	9.50	10.0	95	9.61	10.0	96	62-126	1	30
2-Hexanone	44.3	50.0	89	46.9	50.0	94	59-131	6	30
Dibromochloromethane	7.70	10.0	77	8.02	10.0	80	67-126	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/13/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206404

Analyte Name	Lab Control Sample KWG1206404-3 Lab Control Spike			Duplicate Lab Control Sample KWG1206404-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
1,2-Dibromoethane (EDB)	8.87	10.0	89	9.25	10.0	93	74-118	4	30
Chlorobenzene	9.13	10.0	91	9.16	10.0	92	72-116	0	30
Ethylbenzene	8.58	10.0	86	8.70	10.0	87	67-121	1	30
1,1,1,2-Tetrachloroethane	8.60	10.0	86	8.72	10.0	87	66-124	1	30
m,p-Xylenes	18.1	20.0	90	17.9	20.0	90	69-121	1	30
o-Xylene	8.77	10.0	88	8.77	10.0	88	71-119	0	30
Styrene	9.06	10.0	91	9.43	10.0	94	74-121	4	30
Bromoform	6.84	10.0	68	7.00	10.0	70	52-144	2	30
cis-1,4-Dichloro-2-butene	20.6	30.0	69	21.7	30.0	72	26-171	5	30
1,1,2,2-Tetrachloroethane	8.01	10.0	80	8.54	10.0	85	70-127	6	30
trans-1,4-Dichloro-2-butene	24.3	30.0	81	25.1	30.0	84	46-170	3	30
1,2,3-Trichloropropane	9.41	10.0	94	9.85	10.0	99	69-123	5	30
1,4-Dichlorobenzene	9.37	10.0	94	9.25	10.0	93	73-115	1	30
1,2-Dichlorobenzene	9.16	10.0	92	9.18	10.0	92	72-115	0	30
1,2-Dibromo-3-chloropropane	6.94	10.0	69	7.11	10.0	71	55-132	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND	U	20	1	06/18/12	06/18/12	KWG1206585	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	105	77-123	06/18/12	Acceptable
Toluene-d8	116	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	85	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-21D **Units:** ng/L
Lab Code: K1205452-002 **Basis:** NA
Extraction Method: EPA 5030B **Level:** Low
Analysis Method: 8260C SIM

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND	U	20	1	06/18/12	06/18/12	KWG1206585	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	106	77-123	06/18/12	Acceptable
Toluene-d8	116	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	84	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-21S
Lab Code: K1205452-003
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/18/12	06/18/12	KWG1206585	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	106	77-123	06/18/12	Acceptable
Toluene-d8	116	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	84	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-22D
Lab Code: K1205452-004
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/18/12	06/18/12	KWG1206585	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	105	77-123	06/18/12	Acceptable
Toluene-d8	116	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	84	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-22S
Lab Code: K1205452-005
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/18/12	06/18/12	KWG1206585	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	106	77-123	06/18/12	Acceptable
Toluene-d8	116	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	84	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-9
Lab Code: K1205452-006
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/18/12	06/18/12	KWG1206585	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	106	77-123	06/18/12	Acceptable
Toluene-d8	116	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	85	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-10
Lab Code: K1205452-007
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/18/12	06/18/12	KWG1206585	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	108	77-123	06/18/12	Acceptable
Toluene-d8	116	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	85	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: MW-5
Lab Code: K1205452-008
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND	U	20	1	06/18/12	06/18/12	KWG1206585	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	106	77-123	06/18/12	Acceptable
Toluene-d8	116	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	84	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/05/2012
Date Received: 06/07/2012

Volatile Organic Compounds

Sample Name: TB **Units:** ng/L
Lab Code: K1205452-009 **Basis:** NA
Extraction Method: EPA 5030B **Level:** Low
Analysis Method: 8260C SIM

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/18/12	06/18/12	KWG1206585	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	104	77-123	06/18/12	Acceptable
Toluene-d8	116	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	85	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1206585-4
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Vinyl Chloride	ND U	20	1	06/18/12	06/18/12	KWG1206585	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	103	77-123	06/18/12	Acceptable
Toluene-d8	117	74-112	06/18/12	Outside Control Limits
4-Bromofluorobenzene	84	46-118	06/18/12	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452

**Surrogate Recovery Summary
 Volatile Organic Compounds**

Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>
MW-11	K1205452-001	105	116 *	85
MW-21D	K1205452-002	106	116 *	84
MW-21S	K1205452-003	106	116 *	84
MW-22D	K1205452-004	105	116 *	84
MW-22S	K1205452-005	106	116 *	84
MW-9	K1205452-006	106	116 *	85
MW-10	K1205452-007	108	116 *	85
MW-5	K1205452-008	106	116 *	84
TB	K1205452-009	104	116 *	85
Method Blank	KWG1206585-4	103	117 *	84
MW-11MS	KWG1206585-1	104	118 *	90
MW-11DMS	KWG1206585-2	104	118 *	90
Lab Control Sample	KWG1206585-3	105	118 *	90

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	77-123
Sur2 = Toluene-d8	74-112
Sur3 = 4-Bromofluorobenzene	46-118

Results flagged with an asterisk (*) indicate values outside control criteria.
 Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/18/2012
Date Analyzed: 06/18/2012

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low
Extraction Lot: KWG1206585

Analyte Name	Sample Result	MW-11MS KWG1206585-1 Matrix Spike			MW-11DMS KWG1206585-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Vinyl Chloride	ND	1830	2000	92	1710	2000	85	70-130	7	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/18/2012
Date Analyzed: 06/18/2012

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260C SIM

Units: ng/L
Basis: NA
Level: Low
Extraction Lot: KWG1206585

Lab Control Sample
KWG1206585-3
Lab Control Spike

Analyte Name	Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Vinyl Chloride	2310	2000	116	70-136

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-15
Lab Code: K1205520-007
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	26	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroethyl) Ether	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Phenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Chlorophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Benzyl alcohol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroisopropyl) Ether	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Methylphenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Hexachloroethane	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosodi-n-propylamine	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Methylphenol†	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Nitrobenzene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Isophorone	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Nitrophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,4-Dimethylphenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroethoxy)methane	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,4-Dichlorophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Naphthalene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Chloroaniline	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Hexachlorobutadiene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Chloro-3-methylphenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Methylnaphthalene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Hexachlorocyclopentadiene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,4,6-Trichlorophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,4,5-Trichlorophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Chloronaphthalene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Nitroaniline	ND	U	26	1	06/13/12	06/28/12	KWG1206395	
Acenaphthylene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Dimethyl Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,6-Dinitrotoluene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Acenaphthene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
3-Nitroaniline	ND	U	26	1	06/13/12	06/28/12	KWG1206395	
2,4-Dinitrophenol	ND	U	26	1	06/13/12	06/28/12	KWG1206395	
Dibenzofuran	ND	U	11	1	06/13/12	06/28/12	KWG1206395	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-15
Lab Code: K1205520-007
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Nitrophenol	ND	U	26	1	06/13/12	06/28/12	KWG1206395	
2,4-Dinitrotoluene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,3,4,6-Tetrachlorophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Fluorene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Chlorophenyl Phenyl Ether	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Diethyl Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Nitroaniline	ND	U	26	1	06/13/12	06/28/12	KWG1206395	
2-Methyl-4,6-dinitrophenol	ND	U	26	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosodiphenylamine	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Bromophenyl Phenyl Ether	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Hexachlorobenzene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Pentachlorophenol	ND	U	26	1	06/13/12	06/28/12	KWG1206395	
Phenanthrene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Anthracene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Di-n-butyl Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Fluoranthene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Pyrene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Butyl Benzyl Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
3,3'-Dichlorobenzidine	ND	U	26	1	06/13/12	06/28/12	KWG1206395	
Benz(a)anthracene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Chrysene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Bis(2-ethylhexyl) Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Di-n-octyl Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Benzo(b)fluoranthene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Benzo(k)fluoranthene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Benzo(a)pyrene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Indeno(1,2,3-cd)pyrene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Dibenz(a,h)anthracene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Benzo(g,h,i)perylene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosomethylethylamine	ND	U	26	1	06/13/12	07/02/12	KWG1206395	*
Methyl Methanesulfonate	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodiethylamine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
Ethyl Methanesulfonate	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-15
Lab Code: K1205520-007
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Acetophenone	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopyrrolidine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
o-Toluidine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopiperidine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
O,O,O-Triethyl Phosphorothioate	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
2,6-Dichlorophenol	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Hexachloropropene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
p-Phenylenediamine	ND	U	51	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodi-n-butylamine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
Safrole	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
1,2,4,5-Tetrachlorobenzene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
Isosafrole	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
1,4-Naphthoquinone	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
1,3-Dinitrobenzene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Pentachlorobenzene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
1-Naphthylamine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
2-Naphthylamine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
5-Nitro-o-toluidine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Thionazin	ND	U	26	1	06/13/12	07/02/12	KWG1206395	
Diphenylamine†	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
Phenacetin	ND	U	51	1	06/13/12	07/02/12	KWG1206395	
Diallate	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
4-Aminobiphenyl	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Pronamide	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
Pentachloronitrobenzene	ND	U	51	1	06/13/12	07/02/12	KWG1206395	
Parathion	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Methapyrilene	ND	U	110	1	06/13/12	07/02/12	KWG1206395	*
Isodrin	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
p-Dimethylaminoazobenzene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Chlorobenzilate	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
3,3'-Dimethylbenzidine	ND	U	21	1	06/13/12	07/02/12	KWG1206395	*
2-Acetylaminofluorene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
7,12-Dimethylbenz(a)anthracene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-15
Lab Code: K1205520-007
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
3-Methylcholanthrene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Famphur	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Kepone	ND	U	110	1	06/13/12	07/02/12	KWG1206395	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	82	39-103	06/28/12	Acceptable
Phenol-d6	80	38-107	06/28/12	Acceptable
Nitrobenzene-d5	82	46-115	06/28/12	Acceptable
2-Fluorobiphenyl	81	48-114	06/28/12	Acceptable
2,4,6-Tribromophenol	80	46-127	06/28/12	Acceptable
Terphenyl-d14	104	32-149	06/28/12	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.
 Diphenylamine This compound can not be separated from N-Nitrosodiphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: D15
Lab Code: K1205520-008
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	27	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroethyl) Ether	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Phenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Chlorophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Benzyl alcohol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroisopropyl) Ether	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Methylphenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Hexachloroethane	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosodi-n-propylamine	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Methylphenol†	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Nitrobenzene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Isophorone	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Nitrophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,4-Dimethylphenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroethoxy)methane	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,4-Dichlorophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Naphthalene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Chloroaniline	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Hexachlorobutadiene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Chloro-3-methylphenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Methylnaphthalene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Hexachlorocyclopentadiene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,4,6-Trichlorophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,4,5-Trichlorophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Chloronaphthalene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2-Nitroaniline	ND	U	27	1	06/13/12	06/28/12	KWG1206395	
Acenaphthylene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Dimethyl Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,6-Dinitrotoluene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Acenaphthene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
3-Nitroaniline	ND	U	27	1	06/13/12	06/28/12	KWG1206395	
2,4-Dinitrophenol	ND	U	27	1	06/13/12	06/28/12	KWG1206395	
Dibenzofuran	ND	U	11	1	06/13/12	06/28/12	KWG1206395	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: D15
Lab Code: K1205520-008
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Nitrophenol	ND	U	27	1	06/13/12	06/28/12	KWG1206395	
2,4-Dinitrotoluene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
2,3,4,6-Tetrachlorophenol	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Fluorene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Chlorophenyl Phenyl Ether	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Diethyl Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Nitroaniline	ND	U	27	1	06/13/12	06/28/12	KWG1206395	
2-Methyl-4,6-dinitrophenol	ND	U	27	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosodiphenylamine	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
4-Bromophenyl Phenyl Ether	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Hexachlorobenzene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Pentachlorophenol	ND	U	27	1	06/13/12	06/28/12	KWG1206395	
Phenanthrene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Anthracene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Di-n-butyl Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Fluoranthene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Pyrene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Butyl Benzyl Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
3,3'-Dichlorobenzidine	ND	U	27	1	06/13/12	06/28/12	KWG1206395	
Benz(a)anthracene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Chrysene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Bis(2-ethylhexyl) Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Di-n-octyl Phthalate	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Benzo(b)fluoranthene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Benzo(k)fluoranthene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Benzo(a)pyrene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Indeno(1,2,3-cd)pyrene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Dibenz(a,h)anthracene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
Benzo(g,h,i)perylene	ND	U	11	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosomethylethylamine	ND	U	27	1	06/13/12	07/02/12	KWG1206395	*
Methyl Methanesulfonate	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodiethylamine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
Ethyl Methanesulfonate	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: D15
Lab Code: K1205520-008
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Acetophenone	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopyrrolidine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
o-Toluidine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopiperidine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
O,O,O-Triethyl Phosphorothioate	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
2,6-Dichlorophenol	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Hexachloropropene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
p-Phenylenediamine	ND	U	53	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodi-n-butylamine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
Safrole	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
1,2,4,5-Tetrachlorobenzene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
Isosafrole	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
1,4-Naphthoquinone	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
1,3-Dinitrobenzene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Pentachlorobenzene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
1-Naphthylamine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
2-Naphthylamine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
5-Nitro-o-toluidine	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Thionazin	ND	U	27	1	06/13/12	07/02/12	KWG1206395	
Diphenylamine†	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
Phenacetin	ND	U	53	1	06/13/12	07/02/12	KWG1206395	
Diallate	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
4-Aminobiphenyl	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Pronamide	ND	U	11	1	06/13/12	07/02/12	KWG1206395	*
Pentachloronitrobenzene	ND	U	53	1	06/13/12	07/02/12	KWG1206395	
Parathion	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Methapyrilene	ND	U	110	1	06/13/12	07/02/12	KWG1206395	*
Isodrin	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
p-Dimethylaminoazobenzene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Chlorobenzilate	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
3,3'-Dimethylbenzidine	ND	U	21	1	06/13/12	07/02/12	KWG1206395	*
2-Acetylaminofluorene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
7,12-Dimethylbenz(a)anthracene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/06/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: D15 **Units:** ug/L
Lab Code: K1205520-008 **Basis:** NA
Extraction Method: EPA 3520C **Level:** Low
Analysis Method: 8270D

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
3-Methylcholanthrene	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Famphur	ND	U	11	1	06/13/12	07/02/12	KWG1206395	
Kepone	ND	U	110	1	06/13/12	07/02/12	KWG1206395	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	79	39-103	06/28/12	Acceptable
Phenol-d6	75	38-107	06/28/12	Acceptable
Nitrobenzene-d5	77	46-115	06/28/12	Acceptable
2-Fluorobiphenyl	76	48-114	06/28/12	Acceptable
2,4,6-Tribromophenol	78	46-127	06/28/12	Acceptable
Terphenyl-d14	105	32-149	06/28/12	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.
Diphenylamine This compound can not be separated from N-Nitrosodiphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroethyl) Ether	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Phenol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2-Chlorophenol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Benzyl alcohol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroisopropyl) Ether	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2-Methylphenol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Hexachloroethane	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosodi-n-propylamine	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
4-Methylphenol†	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Nitrobenzene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Isophorone	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2-Nitrophenol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2,4-Dimethylphenol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroethoxy)methane	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2,4-Dichlorophenol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Naphthalene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
4-Chloroaniline	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Hexachlorobutadiene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
4-Chloro-3-methylphenol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2-Methylnaphthalene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Hexachlorocyclopentadiene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2,4,6-Trichlorophenol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2,4,5-Trichlorophenol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2-Chloronaphthalene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2-Nitroaniline	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
Acenaphthylene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Dimethyl Phthalate	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2,6-Dinitrotoluene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Acenaphthene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
3-Nitroaniline	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
2,4-Dinitrophenol	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
Dibenzofuran	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Nitrophenol	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
2,4-Dinitrotoluene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
2,3,4,6-Tetrachlorophenol	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Fluorene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
4-Chlorophenyl Phenyl Ether	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Diethyl Phthalate	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
4-Nitroaniline	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
2-Methyl-4,6-dinitrophenol	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosodiphenylamine	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
4-Bromophenyl Phenyl Ether	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Hexachlorobenzene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Pentachlorophenol	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
Phenanthrene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Anthracene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Di-n-butyl Phthalate	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Fluoranthene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Pyrene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Butyl Benzyl Phthalate	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
3,3'-Dichlorobenzidine	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
Benz(a)anthracene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Chrysene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Bis(2-ethylhexyl) Phthalate	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Di-n-octyl Phthalate	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Benzo(b)fluoranthene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Benzo(k)fluoranthene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Benzo(a)pyrene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Indeno(1,2,3-cd)pyrene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Dibenz(a,h)anthracene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
Benzo(g,h,i)perylene	ND	U	9.6	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosomethylethylamine	ND	U	24	1	06/13/12	07/02/12	KWG1206395	*
Methyl Methanesulfonate	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodiethylamine	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
Ethyl Methanesulfonate	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Acetophenone	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopyrrolidine	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
o-Toluidine	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopiperidine	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
O,O,O-Triethyl Phosphorothioate	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
2,6-Dichlorophenol	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
Hexachloropropene	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
p-Phenylenediamine	ND	U	48	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodi-n-butylamine	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
Safrole	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
1,2,4,5-Tetrachlorobenzene	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
Isosafrole	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
1,4-Naphthoquinone	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
1,3-Dinitrobenzene	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
Pentachlorobenzene	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
1-Naphthylamine	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
2-Naphthylamine	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
5-Nitro-o-toluidine	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
Thionazin	ND	U	24	1	06/13/12	07/02/12	KWG1206395	
Diphenylamine†	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
Phenacetin	ND	U	48	1	06/13/12	07/02/12	KWG1206395	
Diallate	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
4-Aminobiphenyl	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
Pronamide	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	*
Pentachloronitrobenzene	ND	U	48	1	06/13/12	07/02/12	KWG1206395	
Parathion	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
Methapyrilene	ND	U	96	1	06/13/12	07/02/12	KWG1206395	*
Isodrin	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
p-Dimethylaminoazobenzene	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
Chlorobenzilate	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
3,3'-Dimethylbenzidine	ND	U	20	1	06/13/12	07/02/12	KWG1206395	*
2-Acetylaminofluorene	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
7,12-Dimethylbenz(a)anthracene	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: 06/07/2012
Date Received: 06/08/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-14b
Lab Code: K1205520-009
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
3-Methylcholanthrene	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
Famphur	ND	U	9.6	1	06/13/12	07/02/12	KWG1206395	
Kepon	ND	U	96	1	06/13/12	07/02/12	KWG1206395	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	78	39-103	06/28/12	Acceptable
Phenol-d6	77	38-107	06/28/12	Acceptable
Nitrobenzene-d5	79	46-115	06/28/12	Acceptable
2-Fluorobiphenyl	79	48-114	06/28/12	Acceptable
2,4,6-Tribromophenol	78	46-127	06/28/12	Acceptable
Terphenyl-d14	105	32-149	06/28/12	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.
 Diphenylamine This compound can not be separated from N-Nitrosodiphenylamine.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1206395-9

Units: ug/L

Basis: NA

Extraction Method: EPA 3520C

Level: Low

Analysis Method: 8270D

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
Bis(2-chloroethyl) Ether	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Phenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Chlorophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Benzyl alcohol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Bis(2-chloroisopropyl) Ether	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Methylphenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Hexachloroethane	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
N-Nitrosodi-n-propylamine	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Methylphenol†	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Nitrobenzene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Isophorone	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Nitrophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,4-Dimethylphenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Bis(2-chloroethoxy)methane	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,4-Dichlorophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Naphthalene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Chloroaniline	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Hexachlorobutadiene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Chloro-3-methylphenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Methylnaphthalene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Hexachlorocyclopentadiene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,4,6-Trichlorophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,4,5-Trichlorophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Chloronaphthalene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Nitroaniline	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
Acenaphthylene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Dimethyl Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,6-Dinitrotoluene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Acenaphthene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
3-Nitroaniline	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
2,4-Dinitrophenol	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
Dibenzofuran	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1206395-9
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Nitrophenol	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
2,4-Dinitrotoluene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,3,4,6-Tetrachlorophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Fluorene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Chlorophenyl Phenyl Ether	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Diethyl Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Nitroaniline	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
2-Methyl-4,6-dinitrophenol	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
N-Nitrosodiphenylamine	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Bromophenyl Phenyl Ether	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Hexachlorobenzene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Pentachlorophenol	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
Phenanthrene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Anthracene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Di-n-butyl Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Fluoranthene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Pyrene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Butyl Benzyl Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
3,3'-Dichlorobenzidine	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
Benz(a)anthracene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Chrysene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Bis(2-ethylhexyl) Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Di-n-octyl Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Benzo(b)fluoranthene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Benzo(k)fluoranthene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Benzo(a)pyrene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Indeno(1,2,3-cd)pyrene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Dibenz(a,h)anthracene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Benzo(g,h,i)perylene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
N-Nitrosomethylethylamine	ND	U	24	1	06/13/12	07/02/12	KWG1206395	*
Methyl Methanesulfonate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodiethylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Ethyl Methanesulfonate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1206395-9
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Acetophenone	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopyrrolidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
o-Toluidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopiperidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
O,O,O-Triethyl Phosphorothioate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
2,6-Dichlorophenol	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Hexachloropropene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
p-Phenylenediamine	ND	U	48	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodi-n-butylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Safrole	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
1,2,4,5-Tetrachlorobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Isosafrole	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
1,4-Naphthoquinone	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
1,3-Dinitrobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Pentachlorobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
1-Naphthylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
2-Naphthylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
5-Nitro-o-toluidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Thionazin	ND	U	24	1	06/13/12	07/02/12	KWG1206395	
Diphenylamine†	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Phenacetin	ND	U	48	1	06/13/12	07/02/12	KWG1206395	
Diallate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
4-Aminobiphenyl	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Pronamide	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Pentachloronitrobenzene	ND	U	48	1	06/13/12	07/02/12	KWG1206395	
Parathion	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Methapyrilene	ND	U	95	1	06/13/12	07/02/12	KWG1206395	*
Isodrin	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
p-Dimethylaminoazobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Chlorobenzilate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
3,3'-Dimethylbenzidine	ND	U	19	1	06/13/12	07/02/12	KWG1206395	*
2-Acetylaminofluorene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
7,12-Dimethylbenz(a)anthracene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Results

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1206395-9
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
3-Methylcholanthrene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Famphur	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Kepone	ND	U	95	1	06/13/12	07/02/12	KWG1206395	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	85	39-103	06/27/12	Acceptable
Phenol-d6	81	38-107	06/27/12	Acceptable
Nitrobenzene-d5	83	46-115	06/27/12	Acceptable
2-Fluorobiphenyl	82	48-114	06/27/12	Acceptable
2,4,6-Tribromophenol	78	46-127	06/27/12	Acceptable
Terphenyl-d14	102	32-149	06/27/12	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.
 Diphenylamine This compound can not be separated from N-Nitrosodiphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520

**Surrogate Recovery Summary
Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>	<u>Sur4</u>	<u>Sur5</u>	<u>Sur6</u>
Batch QC	K1205452-001	87	83	85	88	85	107
MW-15	K1205520-007	82	80	82	81	80	104
D15	K1205520-008	79	75	77	76	78	105
MW-14b	K1205520-009	78	77	79	79	78	105
Method Blank	KWG1206395-9	85	81	83	82	78	102
Batch QCMS	KWG1206395-1	76	73	79	83	91	101
Batch QCDMS	KWG1206395-2	75	79	83	82	92	96
Lab Control Sample	KWG1206395-3	79	78	86	82	89	93
Duplicate Lab Control Sample	KWG1206395-4	80	78	87	81	90	98
Lab Control Sample	KWG1206395-5	83	83	85	83	93	95
Duplicate Lab Control Sample	KWG1206395-6	83	81	85	81	95	93
Lab Control Sample	KWG1206395-7	79	75	79	74	75	108
Duplicate Lab Control Sample	KWG1206395-8	86	83	81	83	84	105

Surrogate Recovery Control Limits (%)

Sur1 = 2-Fluorophenol	39-103	Sur5 = 2,4,6-Tribromophenol	46-127
Sur2 = Phenol-d6	38-107	Sur6 = Terphenyl-d14	32-149
Sur3 = Nitrobenzene-d5	46-115		
Sur4 = 2-Fluorobiphenyl	48-114		

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/28/2012

**Matrix Spike/Duplicate Matrix Spike Summary
Semi-Volatile Organic Compounds by GC/MS**

Sample Name: Batch QC
Lab Code: K1205452-001
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Sample Result	Batch QCMS KWG1206395-1 Matrix Spike			Batch QCDMS KWG1206395-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Phenol	ND	72.9	96.2	76	75.6	96.2	79	10-147	4	30
2-Chlorophenol	ND	76.1	96.2	79	72.9	96.2	76	43-103	4	30
Hexachloroethane	ND	65.6	96.2	68	69.9	96.2	73	37-93	6	30
N-Nitrosodi-n-propylamine	ND	77.4	96.2	81	72.7	96.2	76	46-112	6	30
4-Chloro-3-methylphenol	ND	83.6	96.2	87	82.8	96.2	86	32-124	1	30
2-Chloronaphthalene	ND	82.3	96.2	86	80.8	96.2	84	40-108	2	30
Acenaphthene	ND	88.9	96.2	92	81.6	96.2	85	37-119	9	30
4-Nitrophenol	ND	89.6	96.2	93	90.3	96.2	94	42-137	1	30
2,4-Dinitrotoluene	ND	94.3	96.2	98	97.6	96.2	101	54-119	3	30
Diethyl Phthalate	ND	87.8	96.2	91	87.0	96.2	90	44-132	1	30
4-Bromophenyl Phenyl Ether	ND	91.0	96.2	95	86.8	96.2	90	28-133	5	30
Pentachlorophenol	ND	88.1	96.2	92	83.8	96.2	87	43-132	5	30
Pyrene	ND	87.5	96.2	91	82.8	96.2	86	19-138	5	30
Benzo(a)pyrene	ND	91.5	96.2	95	85.4	96.2	89	24-131	7	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/27/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Lab Control Sample KWG1206395-3 Lab Control Spike			Duplicate Lab Control Sample KWG1206395-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
N-Nitrosodimethylamine	78.1	100	78	80.2	100	80	53-109	3	30
Bis(2-chloroethyl) Ether	80.5	100	80	77.5	100	78	56-104	4	30
Phenol	78.3	100	78	75.4	100	75	52-104	4	30
2-Chlorophenol	80.1	100	80	77.5	100	77	59-101	3	30
Benzyl alcohol	79.6	100	80	79.8	100	80	53-111	0	30
Bis(2-chloroisopropyl) Ether	79.2	100	79	76.1	100	76	53-105	4	30
2-Methylphenol	82.5	100	83	80.1	100	80	51-108	3	30
Hexachloroethane	69.8	100	70	72.3	100	72	50-100	4	30
N-Nitrosodi-n-propylamine	80.0	100	80	78.3	100	78	56-112	2	30
4-Methylphenol	80.7	100	81	81.4	100	81	47-118	1	30
Nitrobenzene	82.1	100	82	79.9	100	80	56-108	3	30
Isophorone	79.2	100	79	83.1	100	83	57-106	5	30
2-Nitrophenol	81.8	100	82	85.7	100	86	58-108	5	30
2,4-Dimethylphenol	69.8	100	70	71.6	100	72	32-100	3	30
Bis(2-chloroethoxy)methane	77.7	100	78	81.2	100	81	57-108	4	30
2,4-Dichlorophenol	83.2	100	83	84.5	100	84	59-107	2	30
Naphthalene	74.2	100	74	78.0	100	78	60-98	5	30
4-Chloroaniline	82.1	100	82	84.9	100	85	57-111	3	30
Hexachlorobutadiene	72.7	100	73	72.2	100	72	47-106	1	30
4-Chloro-3-methylphenol	84.7	100	85	85.8	100	86	65-111	1	30
2-Methylnaphthalene	78.1	100	78	80.2	100	80	57-106	3	30
Hexachlorocyclopentadiene	34.6	100	35	37.1	100	37	10-60	7	30
2,4,6-Trichlorophenol	81.3	100	81	84.1	100	84	63-117	3	30
2,4,5-Trichlorophenol	85.9	100	86	86.4	100	86	62-117	1	30
2-Chloronaphthalene	78.8	100	79	79.4	100	79	54-107	1	30
2-Nitroaniline	84.5	100	85	86.1	100	86	62-117	2	30
Acenaphthylene	80.0	100	80	78.4	100	78	58-109	2	30
Dimethyl Phthalate	87.1	100	87	85.6	100	86	64-119	2	30
2,6-Dinitrotoluene	85.7	100	86	83.4	100	83	65-122	3	30
Acenaphthene	80.9	100	81	82.9	100	83	61-110	2	30
3-Nitroaniline	82.5	100	82	88.6	100	89	63-120	7	30
2,4-Dinitrophenol	79.2	100	79	83.5	100	83	33-126	5	30
Dibenzofuran	82.5	100	82	81.5	100	81	62-112	1	30
4-Nitrophenol	85.1	100	85	86.6	100	87	40-138	2	30
2,4-Dinitrotoluene	82.9	100	83	89.4	100	89	61-126	7	30

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 06/27/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Lab Control Sample KWG1206395-3 Lab Control Spike			Duplicate Lab Control Sample KWG1206395-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
2,3,4,6-Tetrachlorophenol	86.1	100	86	85.4	100	85	56-124	1	30
Fluorene	79.3	100	79	82.6	100	83	59-112	4	30
4-Chlorophenyl Phenyl Ether	84.8	100	85	85.2	100	85	59-113	1	30
Diethyl Phthalate	81.4	100	81	84.2	100	84	55-119	3	30
4-Nitroaniline	86.2	100	86	87.5	100	88	53-127	2	30
2-Methyl-4,6-dinitrophenol	87.4	100	87	87.8	100	88	51-127	0	30
N-Nitrosodiphenylamine	83.0	100	83	81.4	100	81	58-121	2	30
4-Bromophenyl Phenyl Ether	87.5	100	87	88.8	100	89	64-118	2	30
Hexachlorobenzene	82.8	100	83	90.5	100	90	63-117	9	30
Pentachlorophenol	84.9	100	85	85.9	100	86	51-123	1	30
Phenanthrene	79.5	100	79	86.6	100	87	64-111	9	30
Anthracene	84.1	100	84	84.3	100	84	62-116	0	30
Di-n-butyl Phthalate	85.7	100	86	82.7	100	83	65-126	4	30
Fluoranthene	80.2	100	80	83.8	100	84	52-128	4	30
Pyrene	80.8	100	81	82.1	100	82	53-124	2	30
Butyl Benzyl Phthalate	86.4	100	86	91.0	100	91	64-121	5	30
3,3'-Dichlorobenzidine	80.7	100	81	80.5	100	80	43-116	0	30
Benzo(a)anthracene	88.1	100	88	87.8	100	88	69-113	0	30
Chrysene	84.3	100	84	87.3	100	87	68-114	4	30
Bis(2-ethylhexyl) Phthalate	92.7	100	93	93.0	100	93	64-122	0	30
Di-n-octyl Phthalate	87.6	100	88	87.8	100	88	60-131	0	30
Benzo(b)fluoranthene	88.4	100	88	89.9	100	90	66-117	2	30
Benzo(k)fluoranthene	85.3	100	85	90.9	100	91	63-119	6	30
Benzo(a)pyrene	88.8	100	89	88.1	100	88	57-124	1	30
Indeno(1,2,3-cd)pyrene	84.6	100	85	86.8	100	87	68-116	3	30
Dibenz(a,h)anthracene	87.4	100	87	86.1	100	86	65-121	2	30
Benzo(g,h,i)perylene	85.3	100	85	85.2	100	85	68-116	0	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 07/02/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Lab Control Sample KWG1206395-5 Lab Control Spike			Duplicate Lab Control Sample KWG1206395-6 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
N-Nitrosomethylethylamine	64.4	100	64 *	64.6	100	65 *	70-130	0	30
Methyl Methanesulfonate	62.7	100	63 *	64.8	100	65 *	70-130	3	30
N-Nitrosodiethylamine	66.2	100	66 *	66.2	100	66 *	70-130	0	30
Ethyl Methanesulfonate	65.4	100	65 *	65.5	100	65 *	70-130	0	30
Acetophenone	66.7	100	67 *	68.5	100	69 *	70-130	3	30
N-Nitrosopyrrolidine	59.2	100	59 *	59.6	100	60 *	70-130	1	30
o-Toluidine	66.7	100	67 *	66.4	100	66 *	70-130	0	30
N-Nitrosopiperidine	68.7	100	69 *	65.6	100	66 *	70-130	5	30
O,O,O-Triethyl Phosphorothioate	77.1	100	77	75.4	100	75	70-130	2	30
2,6-Dichlorophenol	77.5	100	78	74.3	100	74	70-130	4	30
Hexachloropropene	33.8	100	34 *	36.7	100	37 *	70-130	8	30
p-Phenylenediamine	7.28	100	7 *	10.2	100	10 *	70-130	34 *	30
N-Nitrosodi-n-butylamine	65.4	100	65 *	63.8	100	64 *	70-130	2	30
Safrole	72.6	100	73	66.1	100	66 *	70-130	9	30
1,2,4,5-Tetrachlorobenzene	66.3	100	66 *	62.4	100	62 *	70-130	6	30
Isosafrole	67.6	100	68 *	64.4	100	64 *	70-130	5	30
1,4-Naphthoquinone	122	100	122	116	100	116	70-130	5	30
1,3-Dinitrobenzene	85.8	100	86	84.4	100	84	70-130	2	30
Pentachlorobenzene	72.9	100	73	67.8	100	68 *	70-130	7	30
1-Naphthylamine	52.7	100	53 *	52.6	100	53 *	70-130	0	30
2-Naphthylamine	71.5	100	71	70.1	100	70	70-130	2	30
5-Nitro-o-toluidine	85.6	100	86	85.2	100	85	70-130	1	30
Thionazin	87.6	100	88	81.8	100	82	70-130	7	30
Diphenylamine	151	100	151 *	142	100	142 *	70-130	6	30
Phenacetin	76.3	100	76	78.6	100	79	70-130	3	30
Diallate	73.2	100	73	67.4	100	67 *	70-130	8	30
4-Aminobiphenyl	75.7	100	76	75.5	100	75	70-130	0	30
Pronamide	52.1	100	52 *	51.8	100	52 *	70-130	1	30
Pentachloronitrobenzene	76.6	100	77	72.0	100	72	70-130	6	30
Parathion	96.3	100	96	97.1	100	97	70-130	1	30
Methapyrilene	18.0	100	18 *	15.2	100	15 *	70-130	17	30
Isodrin	78.6	100	79	76.6	100	77	70-130	3	30
p-Dimethylaminoazobenzene	79.7	100	80	85.1	100	85	70-130	7	30
Chlorobenzilate	77.6	100	78	82.6	100	83	70-130	6	30
3,3'-Dimethylbenzidine	49.9	100	50 *	54.8	100	55 *	70-130	9	30

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 07/02/2012

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Lab Control Sample KWG1206395-5 Lab Control Spike			Duplicate Lab Control Sample KWG1206395-6 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
2-Acetylaminofluorene	79.4	100	79	84.6	100	85	70-130	6	30
7,12-Dimethylbenz(a)anthracene	80.0	100	80	82.3	100	82	70-130	3	30
3-Methylcholanthrene	91.1	100	91	87.9	100	88	70-130	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Road Landfill Remedial
Sample Matrix: Water

Service Request: K1205520
Date Extracted: 06/13/2012
Date Analyzed: 07/02/2012

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Lab Control Sample KWG1206395-7 Lab Control Spike			Duplicate Lab Control Sample KWG1206395-8 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Famphur	82.8	100	83	88.7	100	89	70-130	7	30
Kepone	98.0	100	98	110	100	110	70-130	11	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroethyl) Ether	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Phenol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2-Chlorophenol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Benzyl alcohol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroisopropyl) Ether	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2-Methylphenol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Hexachloroethane	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosodi-n-propylamine	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
4-Methylphenol†	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Nitrobenzene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Isophorone	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2-Nitrophenol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2,4-Dimethylphenol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Bis(2-chloroethoxy)methane	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2,4-Dichlorophenol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Naphthalene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
4-Chloroaniline	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Hexachlorobutadiene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
4-Chloro-3-methylphenol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2-Methylnaphthalene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Hexachlorocyclopentadiene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2,4,6-Trichlorophenol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2,4,5-Trichlorophenol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2-Chloronaphthalene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2-Nitroaniline	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
Acenaphthylene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Dimethyl Phthalate	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2,6-Dinitrotoluene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Acenaphthene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
3-Nitroaniline	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
2,4-Dinitrophenol	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
Dibenzofuran	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Nitrophenol	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
2,4-Dinitrotoluene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
2,3,4,6-Tetrachlorophenol	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Fluorene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
4-Chlorophenyl Phenyl Ether	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Diethyl Phthalate	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
4-Nitroaniline	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
2-Methyl-4,6-dinitrophenol	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosodiphenylamine	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
4-Bromophenyl Phenyl Ether	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Hexachlorobenzene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Pentachlorophenol	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
Phenanthrene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Anthracene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Di-n-butyl Phthalate	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Fluoranthene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Pyrene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Butyl Benzyl Phthalate	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
3,3'-Dichlorobenzidine	ND	U	24	1	06/13/12	06/28/12	KWG1206395	
Benz(a)anthracene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Chrysene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Bis(2-ethylhexyl) Phthalate	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Di-n-octyl Phthalate	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Benzo(b)fluoranthene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Benzo(k)fluoranthene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Benzo(a)pyrene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Indeno(1,2,3-cd)pyrene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Dibenz(a,h)anthracene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
Benzo(g,h,i)perylene	ND	U	9.5	1	06/13/12	06/28/12	KWG1206395	
N-Nitrosomethylethylamine	ND	U	24	1	06/13/12	07/02/12	KWG1206395	*
Methyl Methanesulfonate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodiethylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Ethyl Methanesulfonate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Acetophenone	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopyrrolidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
o-Toluidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopiperidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
O,O,O-Triethyl Phosphorothioate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
2,6-Dichlorophenol	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Hexachloropropene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
p-Phenylenediamine	ND	U	48	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodi-n-butylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Safrole	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
1,2,4,5-Tetrachlorobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Isosafrole	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
1,4-Naphthoquinone	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
1,3-Dinitrobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Pentachlorobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
1-Naphthylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
2-Naphthylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
5-Nitro-o-toluidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Thionazin	ND	U	24	1	06/13/12	07/02/12	KWG1206395	
Diphenylamine†	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Phenacetin	ND	U	48	1	06/13/12	07/02/12	KWG1206395	
Diallate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
4-Aminobiphenyl	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Pronamide	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Pentachloronitrobenzene	ND	U	48	1	06/13/12	07/02/12	KWG1206395	
Parathion	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Methapyrilene	ND	U	95	1	06/13/12	07/02/12	KWG1206395	*
Isodrin	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
p-Dimethylaminoazobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Chlorobenzilate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
3,3'-Dimethylbenzidine	ND	U	19	1	06/13/12	07/02/12	KWG1206395	*
2-Acetylaminofluorene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
7,12-Dimethylbenz(a)anthracene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: 06/06/2012
Date Received: 06/07/2012

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
3-Methylcholanthrene	ND U	9.5	1	06/13/12	07/02/12	KWG1206395	
Famphur	ND U	9.5	1	06/13/12	07/02/12	KWG1206395	
Kepone	ND U	95	1	06/13/12	07/02/12	KWG1206395	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	87	39-103	06/28/12	Acceptable
Phenol-d6	83	38-107	06/28/12	Acceptable
Nitrobenzene-d5	85	46-115	06/28/12	Acceptable
2-Fluorobiphenyl	88	48-114	06/28/12	Acceptable
2,4,6-Tribromophenol	85	46-127	06/28/12	Acceptable
Terphenyl-d14	107	32-149	06/28/12	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.
 Diphenylamine This compound can not be separated from N-Nitrosodiphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1206395-9
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
Bis(2-chloroethyl) Ether	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Phenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Chlorophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Benzyl alcohol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Bis(2-chloroisopropyl) Ether	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Methylphenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Hexachloroethane	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
N-Nitrosodi-n-propylamine	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Methylphenol†	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Nitrobenzene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Isophorone	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Nitrophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,4-Dimethylphenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Bis(2-chloroethoxy)methane	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,4-Dichlorophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Naphthalene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Chloroaniline	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Hexachlorobutadiene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Chloro-3-methylphenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Methylnaphthalene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Hexachlorocyclopentadiene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,4,6-Trichlorophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,4,5-Trichlorophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Chloronaphthalene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2-Nitroaniline	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
Acenaphthylene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Dimethyl Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,6-Dinitrotoluene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Acenaphthene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
3-Nitroaniline	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
2,4-Dinitrophenol	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
Dibenzofuran	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1206395-9
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Nitrophenol	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
2,4-Dinitrotoluene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
2,3,4,6-Tetrachlorophenol	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Fluorene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Chlorophenyl Phenyl Ether	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Diethyl Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Nitroaniline	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
2-Methyl-4,6-dinitrophenol	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
N-Nitrosodiphenylamine	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
4-Bromophenyl Phenyl Ether	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Hexachlorobenzene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Pentachlorophenol	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
Phenanthrene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Anthracene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Di-n-butyl Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Fluoranthene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Pyrene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Butyl Benzyl Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
3,3'-Dichlorobenzidine	ND	U	24	1	06/13/12	06/27/12	KWG1206395	
Benz(a)anthracene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Chrysene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Bis(2-ethylhexyl) Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Di-n-octyl Phthalate	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Benzo(b)fluoranthene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Benzo(k)fluoranthene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Benzo(a)pyrene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Indeno(1,2,3-cd)pyrene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Dibenz(a,h)anthracene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
Benzo(g,h,i)perylene	ND	U	9.5	1	06/13/12	06/27/12	KWG1206395	
N-Nitrosomethylethylamine	ND	U	24	1	06/13/12	07/02/12	KWG1206395	*
Methyl Methanesulfonate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodiethylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Ethyl Methanesulfonate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1206395-9
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Acetophenone	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopyrrolidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
o-Toluidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosopiperidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
O,O,O-Triethyl Phosphorothioate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
2,6-Dichlorophenol	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Hexachloropropene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
p-Phenylenediamine	ND	U	48	1	06/13/12	07/02/12	KWG1206395	*
N-Nitrosodi-n-butylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Safrole	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
1,2,4,5-Tetrachlorobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Isosafrole	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
1,4-Naphthoquinone	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
1,3-Dinitrobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Pentachlorobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
1-Naphthylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
2-Naphthylamine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
5-Nitro-o-toluidine	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Thionazin	ND	U	24	1	06/13/12	07/02/12	KWG1206395	
Diphenylamine†	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Phenacetin	ND	U	48	1	06/13/12	07/02/12	KWG1206395	
Diallate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
4-Aminobiphenyl	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Pronamide	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	*
Pentachloronitrobenzene	ND	U	48	1	06/13/12	07/02/12	KWG1206395	
Parathion	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Methapyrilene	ND	U	95	1	06/13/12	07/02/12	KWG1206395	*
Isodrin	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
p-Dimethylaminoazobenzene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
Chlorobenzilate	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
3,3'-Dimethylbenzidine	ND	U	19	1	06/13/12	07/02/12	KWG1206395	*
2-Acetylaminofluorene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	
7,12-Dimethylbenz(a)anthracene	ND	U	9.5	1	06/13/12	07/02/12	KWG1206395	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Results

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1206395-9
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
3-Methylcholanthrene	ND U	9.5	1	06/13/12	07/02/12	KWG1206395	
Famphur	ND U	9.5	1	06/13/12	07/02/12	KWG1206395	
Keponc	ND U	95	1	06/13/12	07/02/12	KWG1206395	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	85	39-103	06/27/12	Acceptable
Phenol-d6	81	38-107	06/27/12	Acceptable
Nitrobenzene-d5	83	46-115	06/27/12	Acceptable
2-Fluorobiphenyl	82	48-114	06/27/12	Acceptable
2,4,6-Tribromophenol	78	46-127	06/27/12	Acceptable
Terphenyl-d14	102	32-149	06/27/12	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.
 Diphenylamine This compound can not be separated from N-Nitrosodiphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452

**Surrogate Recovery Summary
 Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>	<u>Sur4</u>	<u>Sur5</u>	<u>Sur6</u>
MW-11	K1205452-001	87	83	85	88	85	107
Method Blank	KWG1206395-9	85	81	83	82	78	102
MW-11MS	KWG1206395-1	76	73	79	83	91	101
MW-11DMS	KWG1206395-2	75	79	83	82	92	96
Lab Control Sample	KWG1206395-3	79	78	86	82	89	93
Duplicate Lab Control Sample	KWG1206395-4	80	78	87	81	90	98
Lab Control Sample	KWG1206395-5	83	83	85	83	93	95
Duplicate Lab Control Sample	KWG1206395-6	83	81	85	81	95	93
Lab Control Sample	KWG1206395-7	79	75	79	74	75	108
Duplicate Lab Control Sample	KWG1206395-8	86	83	81	83	84	105

Surrogate Recovery Control Limits (%)

Sur1 = 2-Fluorophenol	39-103	Sur5 = 2,4,6-Tribromophenol	46-127
Sur2 = Phenol-d6	38-107	Sur6 = Terphenyl-d14	32-149
Sur3 = Nitrobenzene-d5	46-115		
Sur4 = 2-Fluorobiphenyl	48-114		

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/28/2012

**Matrix Spike/Duplicate Matrix Spike Summary
Semi-Volatile Organic Compounds by GC/MS**

Sample Name: MW-11
Lab Code: K1205452-001
Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Sample Result	MW-11MS KWG1206395-1 Matrix Spike			MW-11DMS KWG1206395-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Phenol	ND	72.9	96.2	76	75.6	96.2	79	10-147	4	30
2-Chlorophenol	ND	76.1	96.2	79	72.9	96.2	76	43-103	4	30
Hexachloroethane	ND	65.6	96.2	68	69.9	96.2	73	37-93	6	30
N-Nitrosodi-n-propylamine	ND	77.4	96.2	81	72.7	96.2	76	46-112	6	30
4-Chloro-3-methylphenol	ND	83.6	96.2	87	82.8	96.2	86	32-124	1	30
2-Chloronaphthalene	ND	82.3	96.2	86	80.8	96.2	84	40-108	2	30
Acenaphthene	ND	88.9	96.2	92	81.6	96.2	85	37-119	9	30
4-Nitrophenol	ND	89.6	96.2	93	90.3	96.2	94	42-137	1	30
2,4-Dinitrotoluene	ND	94.3	96.2	98	97.6	96.2	101	54-119	3	30
Diethyl Plthalate	ND	87.8	96.2	91	87.0	96.2	90	44-132	1	30
4-Bromophenyl Phenyl Ether	ND	91.0	96.2	95	86.8	96.2	90	28-133	5	30
Pentachlorophenol	ND	88.1	96.2	92	83.8	96.2	87	43-132	5	30
Pyrene	ND	87.5	96.2	91	82.8	96.2	86	19-138	5	30
Benzo(a)pyrene	ND	91.5	96.2	95	85.4	96.2	89	24-131	7	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/27/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Lab Control Sample KWG1206395-3 Lab Control Spike			Duplicate Lab Control Sample KWG1206395-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
N-Nitrosodimethylamine	78.1	100	78	80.2	100	80	53-109	3	30
Bis(2-chloroethyl) Ether	80.5	100	80	77.5	100	78	56-104	4	30
Phenol	78.3	100	78	75.4	100	75	52-104	4	30
2-Chlorophenol	80.1	100	80	77.5	100	77	59-101	3	30
Benzyl alcohol	79.6	100	80	79.8	100	80	53-111	0	30
Bis(2-chloroisopropyl) Ether	79.2	100	79	76.1	100	76	53-105	4	30
2-Methylphenol	82.5	100	83	80.1	100	80	51-108	3	30
Hexachloroethane	69.8	100	70	72.3	100	72	50-100	4	30
N-Nitrosodi-n-propylamine	80.0	100	80	78.3	100	78	56-112	2	30
4-Methylphenol	80.7	100	81	81.4	100	81	47-118	1	30
Nitrobenzene	82.1	100	82	79.9	100	80	56-108	3	30
Isophorone	79.2	100	79	83.1	100	83	57-106	5	30
2-Nitrophenol	81.8	100	82	85.7	100	86	58-108	5	30
2,4-Dimethylphenol	69.8	100	70	71.6	100	72	32-100	3	30
Bis(2-chloroethoxy)methane	77.7	100	78	81.2	100	81	57-108	4	30
2,4-Dichlorophenol	83.2	100	83	84.5	100	84	59-107	2	30
Naphthalene	74.2	100	74	78.0	100	78	60-98	5	30
4-Chloroaniline	82.1	100	82	84.9	100	85	57-111	3	30
Hexachlorobutadiene	72.7	100	73	72.2	100	72	47-106	1	30
4-Chloro-3-methylphenol	84.7	100	85	85.8	100	86	65-111	1	30
2-Methylnaphthalene	78.1	100	78	80.2	100	80	57-106	3	30
Hexachlorocyclopentadiene	34.6	100	35	37.1	100	37	10-60	7	30
2,4,6-Trichlorophenol	81.3	100	81	84.1	100	84	63-117	3	30
2,4,5-Trichlorophenol	85.9	100	86	86.4	100	86	62-117	1	30
2-Chloronaphthalene	78.8	100	79	79.4	100	79	54-107	1	30
2-Nitroaniline	84.5	100	85	86.1	100	86	62-117	2	30
Acenaphthylene	80.0	100	80	78.4	100	78	58-109	2	30
Dimethyl Phthalate	87.1	100	87	85.6	100	86	64-119	2	30
2,6-Dinitrotoluene	85.7	100	86	83.4	100	83	65-122	3	30
Acenaphthene	80.9	100	81	82.9	100	83	61-110	2	30
3-Nitroaniline	82.5	100	82	88.6	100	89	63-120	7	30
2,4-Dinitrophenol	79.2	100	79	83.5	100	83	33-126	5	30
Dibenzofuran	82.5	100	82	81.5	100	81	62-112	1	30
4-Nitrophenol	85.1	100	85	86.6	100	87	40-138	2	30
2,4-Dinitrotoluene	82.9	100	83	89.4	100	89	61-126	7	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 06/27/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Lab Control Sample KWG1206395-3 Lab Control Spike			Duplicate Lab Control Sample KWG1206395-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
2,3,4,6-Tetrachlorophenol	86.1	100	86	85.4	100	85	56-124	1	30
Fluorene	79.3	100	79	82.6	100	83	59-112	4	30
4-Chlorophenyl Phenyl Ether	84.8	100	85	85.2	100	85	59-113	1	30
Diethyl Phthalate	81.4	100	81	84.2	100	84	55-119	3	30
4-Nitroaniline	86.2	100	86	87.5	100	88	53-127	2	30
2-Methyl-4,6-dinitrophenol	87.4	100	87	87.8	100	88	51-127	0	30
N-Nitrosodiphenylamine	83.0	100	83	81.4	100	81	58-121	2	30
4-Bromophenyl Phenyl Ether	87.5	100	87	88.8	100	89	64-118	2	30
Hexachlorobenzene	82.8	100	83	90.5	100	90	63-117	9	30
Pentachlorophenol	84.9	100	85	85.9	100	86	51-123	1	30
Phenanthrene	79.5	100	79	86.6	100	87	64-111	9	30
Anthracene	84.1	100	84	84.3	100	84	62-116	0	30
Di-n-butyl Phthalate	85.7	100	86	82.7	100	83	65-126	4	30
Fluoranthene	80.2	100	80	83.8	100	84	52-128	4	30
Pyrene	80.8	100	81	82.1	100	82	53-124	2	30
Butyl Benzyl Phthalate	86.4	100	86	91.0	100	91	64-121	5	30
3,3'-Dichlorobenzidine	80.7	100	81	80.5	100	80	43-116	0	30
Benz(a)anthracene	88.1	100	88	87.8	100	88	69-113	0	30
Chrysene	84.3	100	84	87.3	100	87	68-114	4	30
Bis(2-ethylhexyl) Phthalate	92.7	100	93	93.0	100	93	64-122	0	30
Di-n-octyl Phthalate	87.6	100	88	87.8	100	88	60-131	0	30
Benzo(b)fluoranthene	88.4	100	88	89.9	100	90	66-117	2	30
Benzo(k)fluoranthene	85.3	100	85	90.9	100	91	63-119	6	30
Benzo(a)pyrene	88.8	100	89	88.1	100	88	57-124	1	30
Indeno(1,2,3-cd)pyrene	84.6	100	85	86.8	100	87	68-116	3	30
Dibenz(a,h)anthracene	87.4	100	87	86.1	100	86	65-121	2	30
Benzo(g,h,i)perylene	85.3	100	85	85.2	100	85	68-116	0	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 07/02/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Lab Control Sample KWG1206395-5 Lab Control Spike			Duplicate Lab Control Sample KWG1206395-6 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
N-Nitrosomethylethylamine	64.4	100	64 *	64.6	100	65 *	70-130	0	30
Methyl Methanesulfonate	62.7	100	63 *	64.8	100	65 *	70-130	3	30
N-Nitrosodiethylamine	66.2	100	66 *	66.2	100	66 *	70-130	0	30
Ethyl Methanesulfonate	65.4	100	65 *	65.5	100	65 *	70-130	0	30
Acetophenone	66.7	100	67 *	68.5	100	69 *	70-130	3	30
N-Nitrosopyrrolidine	59.2	100	59 *	59.6	100	60 *	70-130	1	30
o-Toluidine	66.7	100	67 *	66.4	100	66 *	70-130	0	30
N-Nitrosopiperidine	68.7	100	69 *	65.6	100	66 *	70-130	5	30
O,O,O-Triethyl Phosphorothioate	77.1	100	77	75.4	100	75	70-130	2	30
2,6-Dichlorophenol	77.5	100	78	74.3	100	74	70-130	4	30
Hexachloropropene	33.8	100	34 *	36.7	100	37 *	70-130	8	30
p-Phenylenediamine	7.28	100	7 *	10.2	100	10 *	70-130	34 *	30
N-Nitrosodi-n-butylamine	65.4	100	65 *	63.8	100	64 *	70-130	2	30
Safrole	72.6	100	73	66.1	100	66 *	70-130	9	30
1,2,4,5-Tetrachlorobenzene	66.3	100	66 *	62.4	100	62 *	70-130	6	30
Isosafrole	67.6	100	68 *	64.4	100	64 *	70-130	5	30
1,4-Naphthoquinone	122	100	122	116	100	116	70-130	5	30
1,3-Dinitrobenzene	85.8	100	86	84.4	100	84	70-130	2	30
Pentachlorobenzene	72.9	100	73	67.8	100	68 *	70-130	7	30
1-Naphthylamine	52.7	100	53 *	52.6	100	53 *	70-130	0	30
2-Naphthylamine	71.5	100	71	70.1	100	70	70-130	2	30
5-Nitro-o-toluidine	85.6	100	86	85.2	100	85	70-130	1	30
Thionazin	87.6	100	88	81.8	100	82	70-130	7	30
Diphenylamine	151	100	151 *	142	100	142 *	70-130	6	30
Phenacetin	76.3	100	76	78.6	100	79	70-130	3	30
Diallate	73.2	100	73	67.4	100	67 *	70-130	8	30
4-Aminobiphenyl	75.7	100	76	75.5	100	75	70-130	0	30
Pronamide	52.1	100	52 *	51.8	100	52 *	70-130	1	30
Pentachloronitrobenzene	76.6	100	77	72.0	100	72	70-130	6	30
Parathion	96.3	100	96	97.1	100	97	70-130	1	30
Methapyrilene	18.0	100	18 *	15.2	100	15 *	70-130	17	30
Isodrin	78.6	100	79	76.6	100	77	70-130	3	30
p-Dimethylaminoazobenzene	79.7	100	80	85.1	100	85	70-130	7	30
Chlorobenzilate	77.6	100	78	82.6	100	83	70-130	6	30
3,3'-Dimethylbenzidine	49.9	100	50 *	54.8	100	55 *	70-130	9	30

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 07/02/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
 Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Lab Control Sample KWG1206395-5 Lab Control Spike			Duplicate Lab Control Sample KWG1206395-6 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
2-Acetylaminofluorene	79.4	100	79	84.6	100	85	70-130	6	30
7,12-Dimethylbenz(a)anthracene	80.0	100	80	82.3	100	82	70-130	3	30
3-Methylcholanthrene	91.1	100	91	87.9	100	88	70-130	4	30

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COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Schwyn Environmental Services
Project: Sudbury Road Landfill RI
Sample Matrix: Water

Service Request: K1205452
Date Extracted: 06/13/2012
Date Analyzed: 07/02/2012

**Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS**

Extraction Method: EPA 3520C
Analysis Method: 8270D

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1206395

Analyte Name	Lab Control Sample KWG1206395-7 Lab Control Spike			Duplicate Lab Control Sample KWG1206395-8 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
Famphur	82.8	100	83	88.7	100	89	70-130	7	30
Kepon	98.0	100	98	110	100	110	70-130	11	30

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.