January 25, 2013 Analytical Report for Service Request No: K1300254

Craig Schwyn
Schwyn Environmental Services
4621 South Custer Court
Spokane, WA 99223

RE: City of Walla Walla Sudbury Rd LF Remedial Inv.

Dear Craig:

Enclosed are the results of the samples submitted to our laboratory on January 10, 2013. For your reference, these analyses have been assigned our service request number K1300254.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3293. You may also contact me via Email at Shar.Samy@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Environmental

Shar Samy
Project Manager

SS/mj

Columbia Analytical Services
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Columbia Analytical Services, Inc.
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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2286
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L12-28
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Georgia DNR	http://www.gaepd.org/Documents/techguide_pcb.html#cel	881
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
Indiana DOH	http://www.in.gov/isdh/24859.htm	C-WA-01
ISO 17025	http://www.pjlabs.com/	L12-27
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	3016
Louisiana DHH	Not available	LA110003
Maine DHS	Not available	WA0035
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-368
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA35
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
New Mexico ED	http://www.nmenv.state.nm.us/dwb/Index.htm	-
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA200001
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	4704427-08-TX
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C1203
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.caslab.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.caslab.com or at the accreditation bodies web site

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

ALS ENVIRONMENTAL

Client:	Schwyn Environmental Services	**Service Request No.:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Received:**	01/10/13
Sample Matrix:	Water		

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), Matrix/Duplicate Matrix Spike (MS/DMS), Laboratory Control Sample (LCS), and Laboratory/Duplicate Laboratory Control Sample (LCS/DLCS).

Sample Receipt

Twenty-four water samples were received for analysis at ALS Environmental on 01/10/13. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4ºC upon receipt at the laboratory.

General Chemistry Parameters

Nitrate as Nitrogen by EPA Method 300.0:
Sample MW-22S, MW-22D and D-19 were received with insufficient holding time remaining. The analysis was performed as soon as possible after receipt by the laboratory. The data was flagged to indicate the holding time violation.

Total Organic Carbon by Standard Method 5310 C:
The Relative Percent Difference (RPD) criterion for the replicate analysis of Total Organic Carbon in samples MW-3 and MW-15D were not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

No other anomalies associated with the analysis of these samples were observed.

Dissolved Metals

Matrix Spike Recovery Exceptions:
The control criteria for matrix spike recovery of Calcium and Magnesium for sample MW-20 were not applicable. The analyzed concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.

No other anomalies associated with the analysis of these samples were observed.

Approved by_____

Volatile Organic Compounds by EPA Method 8260

Calibration Verification Exceptions:
Several analytes were flagged as outside the control criterion for Continuing Calibration Verification (CCV) J:\MS13\0114F003.D and J:\MS13\0115F003.D. In accordance with the EPA Method, 80% or more of the CCV analytes must pass within 20% of the true value. The CAS SOP allows for 40% difference for the remaining analytes. The CCV met these criteria. The quality of the sample data was not significantly affected. No further corrective action was required.

The CAS control criterion for the following analyte was not met in Continuing Calibration Verification (CCV) J:\MS13\0114F003.D: Iodomethane and cis-1,4-Dichloro-2-butene. In accordance with CAS standard operating procedures, an MRL check standard containing the analytes of concern was analyzed each day of analysis. The MRL check standard verifies instrument sensitivity was adequate to detect the analytes at the MRL on the day of analysis. Because the sensitivity was shown to be adequate to detect the compounds in question, and the field samples analyzed in this sequence did not contain the analytes in question, the data quality has not been significantly affected. No further corrective action was feasible.

The CAS control criterion for the following analyte was not met in Continuing Calibration Verification (CCV) J:\MS13\0115F003.D: Iodomethane and cis-1,4-Dichloro-2-butene. In accordance with CAS standard operating procedures, an MRL check standard containing the analytes of concern was analyzed each day of analysis. The MRL check standard verifies instrument sensitivity was adequate to detect the analytes at the MRL on the day of analysis. Because the sensitivity was shown to be adequate to detect the compounds in question, and the field samples analyzed in this sequence did not contain the analytes in question, the data quality has not been significantly affected. No further corrective action was feasible.

Lab Control Sample Exceptions:
The advisory criterion was exceeded for Acetone in Laboratory Control Sample (LCS) KWG1300408-3 and KWG1300448-3. As per the CAS/Kelso Standard Operating Procedure (SOP) for this method, this compound is not included in the subset of analytes used to control the analysis. The recovery information reported for this analyte is for advisory purposes only (i.e. to provide additional detail related to the performance of each individual compound). No further corrective action was required.

No other anomalies associated with the analysis of these samples were observed.

Approved by_____

K1300364

CHAIN of CUSTODY

Columbia Analytical Services™

800.695.7222
www.caslab.com

Client: Schwyn Environmental Services
4621 South Custer Court
Spokane, WA 99223

Bill To: Schwyn Enviro. Svcs.
Telephone No.
509-448-3187

Page 1 of 2

Method of Shipment: UPS

Project:
City of Walla Walla Sudbury Road Landfill Remedial Investigation

Tier II plus EDD

Special Detection Limit/Reporting

	Sample I.D.	Date	Time	Matrix	VOC's (8260B special List)	Vinyl Chloride by 8260 SIM	Cl, NO3,SO4 by 300.0	ALK by Method 2320B	Ammonia by SM4500	TOC by Method 415.1	TDS by Method SM 2540C	Dissolved Ca,Fe,Mg,Mn,K,Na by 6010C	MS/MSD					REMARKS
1	Schmidt	1/7/13	1130	W	X	X												
2	Small		1200		X	X												
3	Kinman		1220		X	X												
4	Camp		1245		X	X												
5	MW-5	1/8/13	935		X	X												
6	MW-9		1010		X	X												
7	MW-10		1040		X	X												
8	MW-22S		1215		X	X	X	X	X	X	X	X						
9	MW-22D		1230		X	X	X	X	X	X	X	X						
10	MW-21S		1300		X	X	X	X	X	X	X	X						
11	MW-21D		1320		X	X	X	X	X	X	X	X						
12	MW-19		1400		X	X	X	X	X	X	X	X						
13	MW-D-19		1400		X	X	X	X	X	X	X	X						
14	MW-20		1440		X	X	X	X	X	X	X	X	X					
15	MW-3		1510		X	X	X	X	X	X	X	X						

Short Hold

Sample Received Intact: Yes No

Temperature received:

Lab Work No.

Relinq. by sampler (Sign & Print Name)	Date	Time	Received by (Sign & Print Name)	
Craig Schwyn	1/9/13	1300	SDavis | SDavis	1/10/13
Relinquished by	**Date**	**Time**	**Received by laboratory**	**Time**
			ALS	10:20

K1300264

CHAIN of CUSTODY

Columbia Analytical Services™

800.695.7222
www.caslab.com

Client: Schwyn Environmental Services
4621 South Custer Court
Spokane, WA 99223

Bill To: Schwyn Enviro. Svcs.
Telephone No.
509-448-3187

Method of Shipment: UPS

Project:
City of Walla Walla Sudbury Road Landfill Remedial Investigation

Special Detection Limit/Reporting

Tier II plus EDD

	Sample I.D.	Date	Time	Matrix	VOC's (8260B special List)	Vinyl Chloride by 8260 SIM	Cl, NO3,SO4 by 300.0	ALK by Method 2320B	Ammonia by SM4500	TOC by Method 415.1	TDS by Method SM 2540C	Dissolved Ca,Fe,Mg,Mn,K,Na by 6010C	MS/MSD					REMARKS
16	MW-15D	1/9/13	1545	W	X	X	X	X	X	X	X	X						
17	MW-15	↓	1600		X	X	X	X	X	X	X	X						
18	MW-27	↓	1630		X	X	X	X	X	X	X	X						
19	MW-11	1/9/13	8:30		X	X	X	X	X	X	X	X						
20	MW-26	↓	9:15		X	X	X	X	X	X	X	X						
21	MW-17	↓	9:45		X	X	X	X	X	X	X	X						
22	MW-16	↓	10:20		X	X	X	X	X	X	X	X						
23	MW-18	↓	11:00		X	X	X	X	X	X	X	X						
24	MW-14b	↓	11:30		X	X	X	X	X	X	X	X						

Sample Received Intact: Yes No

Temperature received:

Lab Work No.

Relinq. by sampler (Sign & Print Name)	Date	Time	Received by (Sign & Print Name)
Craig Schwyn	1/9/13	1300	SDavis 1-10-13
Relinquished by	Date	Time	Received by laboratory / Time
			ALS 1120

PC Shaw

Cooler Receipt and Preservation Form

Client / Project: Shaw Environmental Service Request *K13* 00264

Received: 1/10/13 Opened: 1/10/13 By: SD Unloaded: 1/10/13 By: SD

. 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)

Raw Temp	Corr. Temp	Raw Blank	Corr. Blank	Corr. Factor	Thermometer ID	Cooler/COC ID (NA)	Tracking Number NA	Filed
0.3	0.3	2.6	2.6	0	319		123389603231000201	
2.6	2.2	—	—	-0.4	320		210	
1.0	9	0.9	0.8	-0.1	287		194	
						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
0. Were all sample labels complete (i.e analysis, preservation, etc.)?	NA	(Y)	N
1. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.*	NA	(Y)	N
2. Were appropriate bottles/containers and volumes received for the tests indicated?	NA	(Y)	N
3. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below*	NA	(Y)	N
4. Were VOA vials received without headspace? *Indicate in the table below.*	NA	Y	N
5. 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:*_____

Page ____ *of* ____

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13 - 01/09/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	300.0	**Units:**	mg/L
		Basis:	NA

Chloride

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-22S	K1300254-008	**154**	4.0	20	01/10/13 16:06	
MW-22D	K1300254-009	**154**	4.0	20	01/10/13 16:23	
MW-21S	K1300254-010	**137**	4.0	20	01/10/13 12:44	
MW-21D	K1300254-011	**147**	4.0	20	01/10/13 13:01	
MW-19	K1300254-012	**126**	4.0	20	01/10/13 13:51	
D-19	K1300254-013	**129**	4.0	20	01/10/13 14:08	
MW-20	K1300254-014	**148**	4.0	20	01/10/13 14:24	
MW-3	K1300254-015	**136**	4.0	20	01/10/13 14:41	
MW-15D	K1300254-016	**131**	4.0	20	01/10/13 14:58	
MW-15	K1300254-017	**117**	4.0	20	01/10/13 15:16	
MW-27	K1300254-018	**126**	4.0	20	01/10/13 15:32	
MW-11	K1300254-019	**83.7**	4.0	20	01/10/13 18:06	
MW-26	K1300254-020	**98.6**	4.0	20	01/10/13 18:23	
MW-17	K1300254-021	**135**	4.0	20	01/10/13 18:40	
MW-16	K1300254-022	**143**	4.0	20	01/10/13 18:58	
MW-18	K1300254-023	**152**	4.0	20	01/10/13 19:15	
MW-14b	K1300254-024	**142**	4.0	20	01/10/13 19:32	
Method Blank	K1300254-MB1	ND U	0.20	1	01/10/13 08:28	
Method Blank	K1300254-MB2	ND U	0.20	1	01/10/13 17:14	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	300.0	**Units:**	mg/L
		Basis:	NA

Duplicate Sample Summary

Chloride

Sample Name:	Lab Code:	MRL	Sample Result	Duplicate Result	Average	RPD	RPD Limit	Date Analyzed
MW-21S	K1300254-010DUP	4.0	137	136	137	<1	20	01/10/13
MW-20	K1300254-014DUP	4.0	148	145	146	2	20	01/10/13

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.
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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
		Date Analyzed:	01/10/13

Duplicate Matrix Spike Summary
Chloride

Sample Name:	MW-21S	**Units:**	mg/L
Lab Code:	K1300254-010	**Basis:**	NA
Analysis Method:	300.0		

		Matrix Spike K1300254-010MS			Duplicate Matrix Spike K1300254-010DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloride	137	245	100	107	245	100	108	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.
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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
		Date Analyzed:	01/10/13

Duplicate Matrix Spike Summary
Chloride

Sample Name:	MW-20	**Units:**	mg/L
Lab Code:	K1300254-014	**Basis:**	NA
Analysis Method:	300.0		

		Matrix Spike K1300254-014MS			Duplicate Matrix Spike K1300254-014DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloride	148	254	100	106	254	100	106	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.

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Service Request:K1300254
Date Analyzed:01/10/13

Lab Control Sample Summary
Chloride

Analysis Method: 300.0

Units:mg/L
Basis:NA
Analysis Lot:325273

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300254-LCS1	4.75	5.00	95	90-110
Lab Control Sample	K1300254-LCS2	4.74	5.00	95	90-110

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13 - 01/09/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	300.0	**Units:**	mg/L
		Basis:	NA

Nitrate as Nitrogen

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-22S	K1300254-008	**9.4**	1.0	20	01/10/13 16:06	*
MW-22D	K1300254-009	**10.4**	1.0	20	01/10/13 16:23	*
MW-21S	K1300254-010	**10.0**	1.0	20	01/10/13 12:44	
MW-21D	K1300254-011	**10.4**	1.0	20	01/10/13 13:01	
MW-19	K1300254-012	**9.4**	1.0	20	01/10/13 13:51	
D-19	K1300254-013	**9.5**	1.0	20	01/10/13 14:08	*
MW-20	K1300254-014	**10.3**	1.0	20	01/10/13 14:24	
MW-3	K1300254-015	**10.2**	1.0	20	01/10/13 14:41	
MW-15D	K1300254-016	**10.8**	1.0	20	01/10/13 14:58	
MW-15	K1300254-017	**6.2**	1.0	20	01/10/13 15:16	
MW-27	K1300254-018	**10.4**	1.0	20	01/10/13 15:32	
MW-11	K1300254-019	**8.0**	1.0	20	01/10/13 18:06	
MW-26	K1300254-020	**8.1**	1.0	20	01/10/13 18:23	
MW-17	K1300254-021	**10.1**	1.0	20	01/10/13 18:40	
MW-16	K1300254-022	**8.7**	1.0	20	01/10/13 18:58	
MW-18	K1300254-023	**9.7**	1.0	20	01/10/13 19:15	
MW-14b	K1300254-024	**8.8**	1.0	20	01/10/13 19:32	
Method Blank	K1300254-MB1	ND U	0.050	1	01/10/13 08:28	
Method Blank	K1300254-MB2	ND U	0.050	1	01/10/13 17:14	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	300.0	**Units:**	mg/L
		Basis:	NA

Duplicate Sample Summary

Nitrate as Nitrogen

Sample Name:	Lab Code:	MRL	Sample Result	Duplicate Result	Average	RPD	RPD Limit	Date Analyzed
MW-21S	K1300254-010DUP	1.0	10.0	9.9	9.94	1	20	01/10/13
MW-20	K1300254-014DUP	1.0	10.3	10.1	10.2	2	20	01/10/13

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COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
		Date Analyzed:	01/10/13

Duplicate Matrix Spike Summary
Nitrate as Nitrogen

Sample Name:	MW-21S	**Units:**	mg/L
Lab Code:	K1300254-010	**Basis:**	NA
Analysis Method:	300.0		

		Matrix Spike K1300254-010MS			Duplicate Matrix Spike K1300254-010DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrate as Nitrogen	10.0	114	100	104	114	100	104	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	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
		Date Analyzed:	01/10/13

Duplicate Matrix Spike Summary
Nitrate as Nitrogen

Sample Name:	MW-20	**Units:**	mg/L
Lab Code:	K1300254-014	**Basis:**	NA
Analysis Method:	300.0		

		Matrix Spike K1300254-014MS			Duplicate Matrix Spike K1300254-014DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrate as Nitrogen	10.3	113	100	103	115	100	104	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: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Service Request:K1300254
Date Analyzed:01/10/13

Lab Control Sample Summary
Nitrate as Nitrogen

Analysis Method: 300.0

Units:mg/L
Basis:NA
Analysis Lot:325273

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300254-LCS1	18.7	17.7	105	90-110
Lab Control Sample	K1300254-LCS2	18.7	17.7	106	90-110

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13 - 01/09/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	300.0	**Units:**	mg/L
		Basis:	NA

Sulfate

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-22S	K1300254-008	**34.5**	2.0	20	01/10/13 16:06	
MW-22D	K1300254-009	**33.0**	2.0	20	01/10/13 16:23	
MW-21S	K1300254-010	**31.8**	2.0	20	01/10/13 12:44	
MW-21D	K1300254-011	**30.9**	2.0	20	01/10/13 13:01	
MW-19	K1300254-012	**39.9**	2.0	20	01/10/13 13:51	
D-19	K1300254-013	**40.5**	2.0	20	01/10/13 14:08	
MW-20	K1300254-014	**33.3**	2.0	20	01/10/13 14:24	
MW-3	K1300254-015	**31.9**	2.0	20	01/10/13 14:41	
MW-15D	K1300254-016	**30.6**	2.0	20	01/10/13 14:58	
MW-15	K1300254-017	**40.5**	2.0	20	01/10/13 15:16	
MW-27	K1300254-018	**30.3**	2.0	20	01/10/13 15:32	
MW-11	K1300254-019	**28.1**	2.0	20	01/10/13 18:06	
MW-26	K1300254-020	**28.5**	2.0	20	01/10/13 18:23	
MW-17	K1300254-021	**29.4**	2.0	20	01/10/13 18:40	
MW-16	K1300254-022	**35.3**	2.0	20	01/10/13 18:58	
MW-18	K1300254-023	**33.4**	2.0	20	01/10/13 19:15	
MW-14b	K1300254-024	**37.4**	2.0	20	01/10/13 19:32	
Method Blank	K1300254-MB1	ND U	0.10	1	01/10/13 08:28	
Method Blank	K1300254-MB2	ND U	0.10	1	01/10/13 17:14	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	300.0	**Units:**	mg/L
		Basis:	NA

Duplicate Sample Summary

Sulfate

Sample Name:	Lab Code:	MRL	Sample Result	Duplicate Result	Average	RPD	RPD Limit	Date Analyzed
MW-21S	K1300254-010DUP	2.0	31.8	31.9	31.9	<1	20	01/10/13
MW-20	K1300254-014DUP	2.0	33.3	32.9	33.1	1	20	01/10/13

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COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
		Date Analyzed:	01/10/13

Duplicate Matrix Spike Summary
Sulfate

Sample Name:	MW-21S	**Units:**	mg/L
Lab Code:	K1300254-010	**Basis:**	NA
Analysis Method:	300.0		

		Matrix Spike			Duplicate Matrix Spike					
		K1300254-010MS			K1300254-010DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Sulfate	31.8	131	100	99	131	100	99	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	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
		Date Analyzed:	01/10/13

Duplicate Matrix Spike Summary
Sulfate

Sample Name:	MW-20	**Units:**	mg/L
Lab Code:	K1300254-014	**Basis:**	NA
Analysis Method:	300.0		

		Matrix Spike			Duplicate Matrix Spike					
		K1300254-014MS			K1300254-014DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Sulfate	33.3	131	100	98	132	100	99	90-110	<1	20

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Service Request:K1300254
Date Analyzed:01/10/13

Lab Control Sample Summary
Sulfate

Analysis Method: 300.0

Units:mg/L
Basis:NA
Analysis Lot:325273

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300254-LCS1	4.72	5.00	94	90-110
Lab Control Sample	K1300254-LCS2	4.68	5.00	94	90-110

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13 - 01/09/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	SM 2320 B	**Units:**	mg/L
		Basis:	NA

Alkalinity as CaCO3, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-22S	K1300254-008	**318**	9.0	1	01/18/13 15:11	
MW-22D	K1300254-009	**305**	9.0	1	01/18/13 15:11	
MW-21S	K1300254-010	**303**	9.0	1	01/18/13 15:11	
MW-21D	K1300254-011	**304**	9.0	1	01/18/13 15:11	
MW-19	K1300254-012	**335**	9.0	1	01/18/13 15:11	
D-19	K1300254-013	**339**	9.0	1	01/18/13 15:11	
MW-20	K1300254-014	**318**	9.0	1	01/18/13 15:11	
MW-3	K1300254-015	**252**	9.0	1	01/18/13 15:11	
MW-15D	K1300254-016	**299**	9.0	1	01/18/13 15:11	
MW-15	K1300254-017	**544**	9.0	1	01/18/13 15:11	
MW-27	K1300254-018	**296**	9.0	1	01/22/13 11:45	
MW-11	K1300254-019	**275**	9.0	1	01/22/13 11:45	
MW-26	K1300254-020	**310**	9.0	1	01/18/13 15:11	
MW-17	K1300254-021	**306**	9.0	1	01/18/13 15:11	
MW-16	K1300254-022	**282**	9.0	1	01/18/13 15:11	
MW-18	K1300254-023	**328**	9.0	1	01/18/13 15:11	
MW-14b	K1300254-024	**293**	9.0	1	01/18/13 15:11	
Method Blank	K1300254-MB1	ND	9.0	1	01/18/13 15:11	U
Method Blank	K1300254-MB2	ND	9.0	1	01/18/13 15:11	U
Method Blank	K1300254-MB3	**11.5**	9.0	1	01/22/13 11:45	

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13 - 01/09/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	SM 2320 B	**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
MW-20	K1300254-014DUP	9.0	318	324	321	2	20	01/18/13
MW-11	K1300254-019DUP	9.0	275	274	275	<1	20	01/22/13

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Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Service Request:K1300254
Date Analyzed:01/18/13

Lab Control Sample Summary
Alkalinity as CaCO3, Total

Analysis Method: SM 2320 B

Units:mg/L
Basis:NA
Analysis Lot:326241

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300254-LCS1	126	122	103	90-110
Lab Control Sample	K1300254-LCS2	132	122	108	90-110

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Service Request:K1300254
Date Analyzed:01/22/13

Lab Control Sample Summary
Alkalinity as CaCO3, Total

Analysis Method: SM 2320 B

Units:mg/L
Basis:NA
Analysis Lot:326565

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300254-LCS3	128	122	105	90-110

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13 - 01/09/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	SM 2540 C	**Units:**	mg/L
		Basis:	NA

Solids, Total Dissolved

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-22S	K1300254-008	**697**	13	1	01/11/13 12:30	
MW-22D	K1300254-009	**728**	13	1	01/11/13 12:30	
MW-21S	K1300254-010	**701**	13	1	01/11/13 12:30	
MW-21D	K1300254-011	**684**	13	1	01/11/13 12:30	
MW-19	K1300254-012	**720**	13	1	01/11/13 12:30	
D-19	K1300254-013	**659**	13	1	01/11/13 12:30	
MW-20	K1300254-014	**741**	13	1	01/11/13 12:30	
MW-3	K1300254-015	**613**	13	1	01/11/13 12:30	
MW-15D	K1300254-016	**645**	13	1	01/11/13 12:30	
MW-15	K1300254-017	**833**	13	1	01/11/13 12:30	
MW-27	K1300254-018	**660**	13	1	01/11/13 12:30	
MW-11	K1300254-019	**548**	10	1	01/11/13 12:30	
MW-26	K1300254-020	**523**	10	1	01/11/13 12:30	
MW-17	K1300254-021	**661**	13	1	01/11/13 12:30	
MW-16	K1300254-022	**648**	13	1	01/11/13 12:30	
MW-18	K1300254-023	**721**	13	1	01/11/13 12:30	
MW-14b	K1300254-024	**679**	13	1	01/11/13 12:30	
Method Blank	K1300254-MB1	ND U	5.0	1	01/11/13 12:30	
Method Blank	K1300254-MB2	ND U	5.0	1	01/11/13 12:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	SM 2540 C	**Units:**	mg/L
		Basis:	NA

Duplicate Sample Summary

Solids, Total Dissolved

Sample Name:	Lab Code:	MRL	Sample Result	Duplicate Result	Average	RPD	RPD Limit	Date Analyzed
MW-20	K1300254-014DUP	13	741	739	740	<1	10	01/11/13
MW-15	K1300254-017DUP	13	833	844	839	1	10	01/11/13

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Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Service Request:K1300254
Date Analyzed:01/11/13

Lab Control Sample Summary
Solids, Total Dissolved

Analysis Method: SM 2540 C

Units:mg/L
Basis:NA
Analysis Lot:325503

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300254-LCS1	1720	1810	95	90-108

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13 - 01/09/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	SM 4500-NH3 E	**Units:**	mg/L
		Basis:	NA

Ammonia as Nitrogen

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-22S	K1300254-008	**0.077**	0.050	1	01/15/13 10:30	
MW-22D	K1300254-009	ND U	0.050	1	01/15/13 10:30	
MW-21S	K1300254-010	ND U	0.050	1	01/15/13 10:30	
MW-21D	K1300254-011	ND U	0.050	1	01/15/13 10:30	
MW-19	K1300254-012	ND U	0.050	1	01/15/13 10:30	
D-19	K1300254-013	**0.054**	0.050	1	01/15/13 10:30	
MW-20	K1300254-014	ND U	0.050	1	01/15/13 10:30	
MW-3	K1300254-015	ND U	0.050	1	01/15/13 10:30	
MW-15D	K1300254-016	ND U	0.050	1	01/15/13 10:30	
MW-15	K1300254-017	ND U	0.050	1	01/15/13 10:30	
MW-27	K1300254-018	**0.051**	0.050	1	01/15/13 10:30	
MW-11	K1300254-019	ND U	0.050	1	01/15/13 10:30	
MW-26	K1300254-020	ND U	0.050	1	01/15/13 10:30	
MW-17	K1300254-021	ND U	0.050	1	01/15/13 10:30	
MW-16	K1300254-022	**0.098**	0.050	1	01/15/13 10:30	
MW-18	K1300254-023	**0.077**	0.050	1	01/15/13 10:30	
MW-14b	K1300254-024	ND U	0.050	1	01/15/13 10:30	
Method Blank	K1300254-MB1	ND U	0.050	1	01/15/13 10:30	
Method Blank	K1300254-MB2	ND U	0.050	1	01/15/13 10:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
		Date Analyzed:	01/15/13

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-20	**Units:**	mg/L
Lab Code:	K1300254-014	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1300254-014DUP Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	SM 4500-NH3 E	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	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
		Date Analyzed:	01/15/13

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name:	MW-20	**Units:**	mg/L
Lab Code:	K1300254-014	**Basis:**	NA
Analysis Method:	SM 4500-NH3 E		

Matrix Spike
K1300254-014MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	ND	9.66	10.0	97	80-115

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Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Service Request:K1300254
Date Analyzed:01/15/13

Lab Control Sample Summary
Ammonia as Nitrogen

Analysis Method: SM 4500-NH3 E

Units:mg/L
Basis:NA
Analysis Lot:325769

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300254-LCS1	10.7	10.9	98	80-115

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Service Request:K1300254
Date Analyzed:01/15/13

Lab Control Sample Summary
Ammonia as Nitrogen

Analysis Method: SM 4500-NH3 E

Units:mg/L
Basis:NA
Analysis Lot:325778

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300254-LCS2	10.2	10.9	94	80-115

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13 - 01/09/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	SM 5310 C	**Units:**	mg/L
		Basis:	NA

Carbon, Total Organic

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-22S	K1300254-008	**0.69**	0.50	1	01/11/13 23:39	
MW-22D	K1300254-009	**0.71**	0.50	1	01/11/13 23:39	
MW-21S	K1300254-010	**0.62**	0.50	1	01/11/13 23:39	
MW-21D	K1300254-011	**0.65**	0.50	1	01/11/13 23:39	
MW-19	K1300254-012	**0.72**	0.50	1	01/11/13 23:39	
D-19	K1300254-013	**0.69**	0.50	1	01/11/13 23:39	
MW-20	K1300254-014	**0.66**	0.50	1	01/11/13 23:39	
MW-3	K1300254-015	**0.69**	0.50	1	01/11/13 23:39	
MW-15D	K1300254-016	**0.78**	0.50	1	01/11/13 23:39	
MW-15	K1300254-017	**1.38**	0.50	1	01/11/13 23:39	
MW-27	K1300254-018	**0.66**	0.50	1	01/11/13 23:39	
MW-11	K1300254-019	**0.64**	0.50	1	01/11/13 23:39	
MW-26	K1300254-020	**0.59**	0.50	1	01/11/13 23:39	
MW-17	K1300254-021	**0.67**	0.50	1	01/11/13 23:39	
MW-16	K1300254-022	**0.53**	0.50	1	01/11/13 23:39	
MW-18	K1300254-023	**0.55**	0.50	1	01/11/13 23:39	
MW-14b	K1300254-024	**0.57**	0.50	1	01/11/13 23:39	
Method Blank	K1300254-MB1	ND U	0.50	1	01/11/13 23:39	
Method Blank	K1300254-MB2	ND U	0.50	1	01/11/13 23:39	

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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13 - 01/09/13
Sample Matrix:	Water	**Date Received:**	01/10/13
Analysis Method:	SM 5310 C	**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-22S	K1300254-008DUP	0.50	0.69	0.65	0.670	7	10	01/11/13
MW-22D	K1300254-009DUP	0.50	0.71	0.65	0.676	9	10	01/11/13
MW-21S	K1300254-010DUP	0.50	0.62	0.63	0.627	2	10	01/11/13
MW-21D	K1300254-011DUP	0.50	0.65	0.66	0.653	2	10	01/11/13
MW-19	K1300254-012DUP	0.50	0.72	0.70	0.710	3	10	01/11/13
D-19	K1300254-013DUP	0.50	0.69	0.73	0.710	6	10	01/11/13
MW-20	K1300254-014DUP	0.50	0.66	0.68	0.670	2	10	01/11/13
MW-3	K1300254-015DUP	0.50	0.69	0.58	0.637	16 *	10	01/11/13
MW-15D	K1300254-016DUP	0.50	0.78	0.66	0.723	17 *	10	01/11/13
MW-15	K1300254-017DUP	0.50	1.38	1.38	1.38	<1	10	01/11/13
MW-27	K1300254-018DUP	0.50	0.66	0.61	0.637	8	10	01/11/13
MW-11	K1300254-019DUP	0.50	0.64	0.61	0.624	5	10	01/11/13
MW-26	K1300254-020DUP	0.50	0.59	0.56	0.577	5	10	01/11/13
MW-17	K1300254-021DUP	0.50	0.67	0.65	0.664	3	10	01/11/13
MW-16	K1300254-022DUP	0.50	0.53	0.52	0.525	<1	10	01/11/13
MW-18	K1300254-023DUP	0.50	0.55	0.59	0.573	7	10	01/11/13
MW-14b	K1300254-024DUP	0.50	0.57	0.53	0.551	6	10	01/11/13

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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/13
Sample Matrix:	Water	**Date Received:**	01/10/13
		Date Analyzed:	01/11/13

Matrix Spike Summary
Carbon, Total Organic

Sample Name:	MW-20	**Units:**	mg/L
Lab Code:	K1300254-014	**Basis:**	NA
Analysis Method:	SM 5310 C		

Matrix Spike
K1300254-014MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic	0.66	25.8	25.0	101	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.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Service Request:K1300254
Date Analyzed:01/11/13

Lab Control Sample Summary
Carbon, Total Organic

Analysis Method: SM 5310 C

Units:mg/L
Basis:NA
Analysis Lot:325516

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300254-LCS1	23.1	22.7	102	83-117
Lab Control Sample	K1300254-LCS2	22.9	22.7	101	83-117

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INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services **Service Request:** K1300254

Project Name: City of Walla Walla Sudbury Rd LF Remedial Inv.

Project No.:

Sample Name:	Lab Code:
MW-22S	K1300254-008DISS
MW-22D	K1300254-009DISS
MW-21S	K1300254-010DISS
MW-21D	K1300254-011DISS
MW-19	K1300254-012DISS
D-19	K1300254-013DISS
MW-20	K1300254-014DISS
MW-20D	K1300254-014DISSD
MW-20S	K1300254-014DISSS
MW-3	K1300254-015DISS
MW-15D	K1300254-016DISS
MW-15	K1300254-017DISS
MW-27	K1300254-018DISS
MW-11	K1300254-019DISS
MW-26	K1300254-020DISS
MW-17	K1300254-021DISS
MW-16	K1300254-022DISS
MW-18	K1300254-023DISS
MW-14b	K1300254-024DISS
Method Blank	K1300254-MB

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-22S** **Lab Code:** **K1300254-008DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	122000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	52300		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	7960		
Sodium	6010C	200	1.0	01/14/13	01/21/13	25800		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-22D** **Lab Code:** **K1300254-009DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	124000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	53000		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	11.5		
Potassium	6010C	400	1.0	01/14/13	01/21/13	7540		
Sodium	6010C	200	1.0	01/14/13	01/21/13	18800		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-21S** **Lab Code:** **K1300254-010DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	119000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	47800		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	16.0		
Potassium	6010C	400	1.0	01/14/13	01/21/13	7470		
Sodium	6010C	200	1.0	01/14/13	01/21/13	25000		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-21D** **Lab Code:** **K1300254-011DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	119000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	52600		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	7560		
Sodium	6010C	200	1.0	01/14/13	01/21/13	19300		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-19** **Lab Code:** **K1300254-012DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	126000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	50800		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	7260		
Sodium	6010C	200	1.0	01/14/13	01/21/13	21100		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **D-19** **Lab Code:** **K1300254-013DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	128000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	52100		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	7440		
Sodium	6010C	200	1.0	01/14/13	01/21/13	21500		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-20** **Lab Code:** **K1300254-014DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	122000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	51300		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	7920		
Sodium	6010C	200	1.0	01/14/13	01/21/13	27000		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-3** **Lab Code:** **K1300254-015DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	106000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	48500		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	7090		
Sodium	6010C	200	1.0	01/14/13	01/21/13	17300		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-15D** **Lab Code:** **K1300254-016DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	113000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	48700		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	7150		
Sodium	6010C	200	1.0	01/14/13	01/21/13	18400		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-15** **Lab Code:** **K1300254-017DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	162000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	48600		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	53.3		
Potassium	6010C	400	1.0	01/14/13	01/21/13	8330		
Sodium	6010C	200	1.0	01/14/13	01/21/13	66700		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/8/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-27** **Lab Code:** **K1300254-018DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	111000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	42600		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	6960		
Sodium	6010C	200	1.0	01/14/13	01/21/13	24500		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-11** **Lab Code:** **K1300254-019DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	87800		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	33000		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	7430		
Sodium	6010C	200	1.0	01/14/13	01/21/13	34600		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-26** **Lab Code:** **K1300254-020DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	102000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	39300		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	8000		
Sodium	6010C	200	1.0	01/14/13	01/21/13	33500		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-17** **Lab Code:** **K1300254-021DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	113000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	47900		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.8		
Potassium	6010C	400	1.0	01/14/13	01/21/13	7870		
Sodium	6010C	200	1.0	01/14/13	01/21/13	29500		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-16** **Lab Code:** **K1300254-022DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	117000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	48800		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	7090		
Sodium	6010C	200	1.0	01/14/13	01/21/13	21000		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-18** **Lab Code:** **K1300254-023DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	125000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	52700		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	8250		
Sodium	6010C	200	1.0	01/14/13	01/21/13	29600		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	1/10/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-14b** **Lab Code:** **K1300254-024DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	121000		
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	48000		
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	7230		
Sodium	6010C	200	1.0	01/14/13	01/21/13	17200		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project No.:	NA	**Date Collected:**	
Project Name:	City of Walla Walla Sudbury Rd L	**Date Received:**	
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **Method Blank** **Lab Code:** **K1300254-MB**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/21/13	50.0	U	
Iron	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/21/13	20.0	U	
Manganese	6010C	5.0	1.0	01/14/13	01/21/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/21/13	400	U	
Sodium	6010C	200	1.0	01/14/13	01/21/13	200	U	

Comments:

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: Schwyn Environmental Services **Service Request:** K1300254

Project No.: NA **Units:** UG/L

Project Name: City of Walla Walla Sudbury Rd L **Basis:** NA

Matrix: WATER

Sample Name: MW-20S **Lab Code:** K1300254-014DISSS

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Calcium		134000		122000		10000.00	120.0		6010C
Iron	75 - 125	951		20.0	U	1000.00	95.1		6010C
Magnesium		61000		51300		10000.00	97.0		6010C
Manganese	84 - 121	469		5.0	U	500.00	93.8		6010C
Potassium	75 - 125	17900		7920		10000.00	99.8		6010C
Sodium	75 - 125	37400		27000		10000.00	104.0		6010C

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

Metals

- 6 -

DUPLICATES

Client: Schwyn Environmental Services **Service Request:** K1300254

Project No.: NA **Units:** UG/L

Project Name: City of Walla Walla Sudbury Rd L **Basis:** NA

Matrix: WATER

Sample Name: MW-20D **Lab Code:** K1300254-014DISSD

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Calcium	20	122000		120000		1.7		6010C
Iron		20.0	U	20.0	U			6010C
Magnesium	20	51300		49900		2.8		6010C
Manganese		5.0	U	5.0	U			6010C
Potassium	20	7920		7640		3.6		6010C
Sodium	20	27000		26200		3.0		6010C

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

Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: Schwyn Environmental Services **Service Request:** K1300254

Project No.: NA

Project Name: City of Walla Walla Sudbury Rd L

Aqueous LCS Source: Inorganic Ventures **Solid LCS Source:**

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Calcium	12500	12500	100.0					
Iron	2500	2430	97.2					
Magnesium	12500	12600	100.8					
Manganese	1250	1230	98.4					
Potassium	12500	12400	99.2					
Sodium	12500	12800	102.4					

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Schmidt	**Units:**	ug/L
Lab Code:	K1300254-001	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Schmidt	**Units:**	ug/L
Lab Code:	K1300254-001	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	85	73-122	01/14/13	Acceptable
Toluene-d8	95	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	88	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Small	**Units:**	ug/L
Lab Code:	K1300254-002	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.56**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**1.4**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Small	**Units:**	ug/L
Lab Code:	K1300254-002	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	83	73-122	01/14/13	Acceptable
Toluene-d8	94	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	89	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Kinman	**Units:**	ug/L
Lab Code:	K1300254-003	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Kinman	**Units:**	ug/L
Lab Code:	K1300254-003	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	85	73-122	01/14/13	Acceptable
Toluene-d8	94	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	87	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Camp	**Units:**	ug/L
Lab Code:	K1300254-004	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Camp	**Units:**	ug/L
Lab Code:	K1300254-004	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	84	73-122	01/14/13	Acceptable
Toluene-d8	93	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	88	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	K1300254-005	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.60**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	**1.7**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**0.63**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	K1300254-005	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	85	73-122	01/14/13	Acceptable
Toluene-d8	94	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	89	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	K1300254-006	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.82**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	**1.3**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**0.52**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	K1300254-006	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	86	73-122	01/14/13	Acceptable
Toluene-d8	94	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	87	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-10	**Units:**	ug/L
Lab Code:	K1300254-007	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**1.7**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**0.59**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-10	**Units:**	ug/L
Lab Code:	K1300254-007	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	86	73-122	01/14/13	Acceptable
Toluene-d8	94	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	89	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-22S	**Units:**	ug/L
Lab Code:	K1300254-008	**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	**0.50**		0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	**0.81**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.60**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**0.83**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-22S	**Units:**	ug/L
Lab Code:	K1300254-008	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	86	73-122	01/14/13	Acceptable
Toluene-d8	95	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	89	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-22D	**Units:**	ug/L
Lab Code:	K1300254-009	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.54**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**0.78**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-22D	**Units:**	ug/L
Lab Code:	K1300254-009	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	83	73-122	01/14/13	Acceptable
Toluene-d8	94	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	90	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-21S	**Units:**	ug/L
Lab Code:	K1300254-010	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	**0.84**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.54**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**0.80**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-21S	**Units:**	ug/L
Lab Code:	K1300254-010	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	84	73-122	01/14/13	Acceptable
Toluene-d8	93	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	89	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-21D	**Units:**	ug/L
Lab Code:	K1300254-011	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.64**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**0.90**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-21D	**Units:**	ug/L
Lab Code:	K1300254-011	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	86	73-122	01/14/13	Acceptable
Toluene-d8	94	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	88	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-19	**Units:**	ug/L
Lab Code:	K1300254-012	**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	**1.2**		0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	**0.97**		0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	**8.7**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.56**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	**1.3**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**1.7**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-19	**Units:**	ug/L
Lab Code:	K1300254-012	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	86	73-122	01/14/13	Acceptable
Toluene-d8	94	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	87	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	D-19	**Units:**	ug/L
Lab Code:	K1300254-013	**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	**1.2**		0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	**0.94**		0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	**8.8**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.60**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	**1.4**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**1.7**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	D-19	**Units:**	ug/L
Lab Code:	K1300254-013	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	83	73-122	01/14/13	Acceptable
Toluene-d8	94	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	89	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-20	**Units:**	ug/L
Lab Code:	K1300254-014	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	**0.66**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.50**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**0.92**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-20	**Units:**	ug/L
Lab Code:	K1300254-014	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	83	73-122	01/14/13	Acceptable
Toluene-d8	93	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	87	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	K1300254-015	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.58**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**0.89**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	K1300254-015	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	85	73-122	01/14/13	Acceptable
Toluene-d8	96	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	87	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-15D	**Units:**	ug/L
Lab Code:	K1300254-016	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	**0.62**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	**0.52**		0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	**0.87**		0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-15D	**Units:**	ug/L
Lab Code:	K1300254-016	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	85	73-122	01/14/13	Acceptable
Toluene-d8	94	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	87	68-117	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	K1300254-017	**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	**2.9**		0.50	1	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	**0.84**		0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	**3.9**		0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	**13**		0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	**1.9**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	**5.4**		0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	K1300254-017	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	85	73-122	01/15/13	Acceptable
Toluene-d8	94	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	88	68-117	01/15/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	K1300254-018	**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	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	**0.60**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	**0.52**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	**0.93**		0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-27	**Units:**	ug/L
Lab Code:	K1300254-018	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	84	73-122	01/15/13	Acceptable
Toluene-d8	94	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	87	68-117	01/15/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-11	**Units:**	ug/L
Lab Code:	K1300254-019	**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	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	**1.2**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	**1.1**		0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-11	**Units:**	ug/L
Lab Code:	K1300254-019	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	84	73-122	01/15/13	Acceptable
Toluene-d8	95	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	90	68-117	01/15/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-26	**Units:**	ug/L
Lab Code:	K1300254-020	**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	**0.59**		0.50	1	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	**1.1**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	**1.0**		0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-26	**Units:**	ug/L
Lab Code:	K1300254-020	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	83	73-122	01/15/13	Acceptable
Toluene-d8	94	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	86	68-117	01/15/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	K1300254-021	**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	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	**0.66**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	**0.62**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	**0.59**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	**2.4**		0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	K1300254-021	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	87	73-122	01/15/13	Acceptable
Toluene-d8	95	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	88	68-117	01/15/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	K1300254-022	**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	**0.54**		0.50	1	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	**0.75**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	**0.57**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	**0.63**		0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	K1300254-022	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	82	73-122	01/15/13	Acceptable
Toluene-d8	94	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	87	68-117	01/15/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	K1300254-023	**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	**0.51**		0.50	1	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	**0.93**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	**0.57**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	**0.99**		0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	K1300254-023	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	84	73-122	01/15/13	Acceptable
Toluene-d8	93	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	88	68-117	01/15/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-14b	**Units:**	ug/L
Lab Code:	K1300254-024	**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	**0.54**		0.50	1	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	**0.84**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	**0.67**		0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-14b	**Units:**	ug/L
Lab Code:	K1300254-024	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	85	73-122	01/15/13	Acceptable
Toluene-d8	94	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	90	68-117	01/15/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1300408-4	**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	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Chloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichlorofluoromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Acetone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	*
Iodomethane	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	*
Carbon Disulfide	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Methylene Chloride	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Acrylonitrile	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1-Dichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Vinyl Acetate	ND	U	5.0	1	01/14/13	01/14/13	KWG1300408	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Butanone (MEK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Bromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Chloroform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Carbon Tetrachloride	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Benzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Trichloroethene (TCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Dibromomethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromodichloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/14/13	01/14/13	KWG1300408	
Toluene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Tetrachloroethene (PCE)	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
2-Hexanone	ND	U	20	1	01/14/13	01/14/13	KWG1300408	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1300408-4	**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
Dibromochloromethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	
Chlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Ethylbenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
m,p-Xylenes	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
o-Xylene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Styrene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
Bromoform	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/14/13	01/14/13	KWG1300408	
1,2,3-Trichloropropane	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,4-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dichlorobenzene	ND	U	0.50	1	01/14/13	01/14/13	KWG1300408	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/14/13	01/14/13	KWG1300408	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	85	73-122	01/14/13	Acceptable
Toluene-d8	93	65-144	01/14/13	Acceptable
4-Bromofluorobenzene	90	68-117	01/14/13	Acceptable

Comments:

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Service Request: K1300254
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1300448-4

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	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1300448-4	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	83	73-122	01/15/13	Acceptable
Toluene-d8	94	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	88	68-117	01/15/13	Acceptable

Comments:

Client: Schwyn Environmental Services **Service Request:** K1300254
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B **Units:** PERCENT
Analysis Method: 8260C **Level:** Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
Schmidt	K1300254-001	85	95	88
Small	K1300254-002	83	94	89
Kinman	K1300254-003	85	94	87
Camp	K1300254-004	84	93	88
MW-5	K1300254-005	85	94	89
MW-9	K1300254-006	86	94	87
MW-10	K1300254-007	86	94	89
MW-22S	K1300254-008	86	95	89
MW-22D	K1300254-009	83	94	90
MW-21S	K1300254-010	84	93	89
MW-21D	K1300254-011	86	94	88
MW-19	K1300254-012	86	94	87
D-19	K1300254-013	83	94	89
MW-20	K1300254-014	83	93	87
MW-3	K1300254-015	85	96	87
MW-15D	K1300254-016	85	94	87
MW-15	K1300254-017	85	94	88
MW-27	K1300254-018	84	94	87
MW-11	K1300254-019	84	95	90
MW-26	K1300254-020	83	94	86
MW-17	K1300254-021	87	95	88
MW-16	K1300254-022	82	94	87
MW-18	K1300254-023	84	93	88
MW-14b	K1300254-024	85	94	90
Method Blank	KWG1300408-4	85	93	90
Method Blank	KWG1300448-4	83	94	88
MW-20MS	KWG1300408-1	85	94	90
MW-20DMS	KWG1300408-2	86	96	90
Lab Control Sample	KWG1300408-3	88	97	93
Lab Control Sample	KWG1300448-3	85	96	91

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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Extracted:**	01/14/2013
Sample Matrix:	Water	**Date Analyzed:**	01/14/2013

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name:	MW-20	**Units:**	ug/L
Lab Code:	K1300254-014	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C	**Extraction Lot:**	KWG1300408

		MW-20MS KWG1300408-1 Matrix Spike			MW-20DMS KWG1300408-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Vinyl Chloride	ND	9.13	10.0	91	8.64	10.0	86	49-136	6	30
1,1-Dichloroethene	ND	11.2	10.0	112	10.8	10.0	108	59-171	3	30
Chloroform	0.50	11.0	10.0	105	10.8	10.0	103	64-133	2	30
Carbon Tetrachloride	ND	8.78	10.0	88	8.55	10.0	86	53-161	3	30
Benzene	ND	10.0	10.0	100	9.83	10.0	98	63-144	2	30
Trichloroethene (TCE)	ND	10.2	10.0	102	9.97	10.0	100	53-139	2	30
Bromodichloromethane	ND	9.93	10.0	99	9.91	10.0	99	61-134	0	30
Toluene	ND	9.81	10.0	98	9.71	10.0	97	71-136	1	30
1,1,2-Trichloroethane	ND	10.6	10.0	106	10.6	10.0	106	74-124	0	30
2-Hexanone	ND	50.3	50.0	101	52.1	50.0	104	53-132	3	30
Chlorobenzene	ND	10.1	10.0	101	9.73	10.0	97	69-126	4	30
Ethylbenzene	ND	10.3	10.0	103	9.94	10.0	99	66-136	4	30
1,2,3-Trichloropropane	ND	10.8	10.0	108	11.2	10.0	112	71-127	4	30
1,2-Dichlorobenzene	ND	11.1	10.0	111	10.8	10.0	108	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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Extracted:**	01/14/2013
Sample Matrix:	Water	**Date Analyzed:**	01/14/2013

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	8260C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1300408

Lab Control Sample
KWG1300408-3
Lab Control Spike

Analyte Name	Result	Spike Amount	%Rec		%Rec Limits
Dichlorodifluoromethane	8.98	10.0	90		32-124
Chloromethane	11.0	10.0	110		34-130
Vinyl Chloride	9.41	10.0	94		55-123
Bromomethane	8.13	10.0	81		35-113
Chloroethane	10.4	10.0	104		58-134
Trichlorofluoromethane	8.89	10.0	89		52-141
1,1-Dichloroethene	11.8	10.0	118		66-129
Acetone	70.7	50.0	141	*	68-135
Iodomethane	20.6	30.0	69		51-164
Carbon Disulfide	18.4	20.0	92		46-144
Methylene Chloride	10.1	10.0	101		71-122
Acrylonitrile	38.3	40.0	96		65-129
trans-1,2-Dichloroethene	10.3	10.0	103		67-125
1,1-Dichloroethane	10.8	10.0	108		68-132
Vinyl Acetate	42.2	50.0	84		44-156
cis-1,2-Dichloroethene	10.3	10.0	103		71-118
2-Butanone (MEK)	54.0	50.0	108		71-149
Bromochloromethane	9.07	10.0	91		75-131
Chloroform	10.4	10.0	104		70-129
1,1,1-Trichloroethane (TCA)	9.50	10.0	95		59-136
Carbon Tetrachloride	9.14	10.0	91		55-140
Benzene	10.2	10.0	102		69-124
1,2-Dichloroethane (EDC)	11.2	10.0	112		56-142
Trichloroethene (TCE)	10.2	10.0	102		67-128
1,2-Dichloropropane	10.3	10.0	103		67-126
Dibromomethane	9.59	10.0	96		69-128
Bromodichloromethane	9.95	10.0	100		63-129
cis-1,3-Dichloropropene	8.07	10.0	81		62-132
4-Methyl-2-pentanone (MIBK)	48.6	50.0	97		64-134
Toluene	10.0	10.0	100		69-124
trans-1,3-Dichloropropene	7.87	10.0	79		59-125
1,1,2-Trichloroethane	10.6	10.0	106		74-118
Tetrachloroethene (PCE)	9.86	10.0	99		62-126
2-Hexanone	55.6	50.0	111		59-131
Dibromochloromethane	9.14	10.0	91		67-126

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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Extracted:**	01/14/2013
Sample Matrix:	Water	**Date Analyzed:**	01/14/2013

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	8260C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1300408

Lab Control Sample
KWG1300408-3
Lab Control Spike

Analyte Name	Result	Spike Amount	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	9.58	10.0	96	74-118
Chlorobenzene	10.0	10.0	100	72-116
Ethylbenzene	10.3	10.0	103	67-121
1,1,1,2-Tetrachloroethane	8.42	10.0	84	66-124
m,p-Xylenes	20.6	20.0	103	69-121
o-Xylene	10.3	10.0	103	71-119
Styrene	9.85	10.0	99	74-121
Bromoform	8.14	10.0	81	52-144
cis-1,4-Dichloro-2-butene	16.0	30.0	53	26-171
1,1,2,2-Tetrachloroethane	11.3	10.0	113	70-127
trans-1,4-Dichloro-2-butene	25.2	30.0	84	46-170
1,2,3-Trichloropropane	10.7	10.0	107	69-123
1,4-Dichlorobenzene	10.9	10.0	109	73-115
1,2-Dichlorobenzene	10.8	10.0	108	72-115
1,2-Dibromo-3-chloropropane	8.90	10.0	89	55-132

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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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Extracted:**	01/15/2013
Sample Matrix:	Water	**Date Analyzed:**	01/15/2013

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	8260C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1300448

Lab Control Sample
KWG1300448-3
Lab Control Spike

Analyte Name	Result	Spike Amount	%Rec		%Rec Limits
Dichlorodifluoromethane	9.33	10.0	93		32-124
Chloromethane	11.4	10.0	114		34-130
Vinyl Chloride	9.80	10.0	98		55-123
Bromomethane	8.71	10.0	87		35-113
Chloroethane	10.9	10.0	109		58-134
Trichlorofluoromethane	9.07	10.0	91		52-141
1,1-Dichloroethene	12.1	10.0	121		66-129
Acetone	67.9	50.0	136	*	68-135
Iodomethane	22.4	30.0	75		51-164
Carbon Disulfide	18.9	20.0	95		46-144
Methylene Chloride	10.3	10.0	103		71-122
Acrylonitrile	39.1	40.0	98		65-129
trans-1,2-Dichloroethene	10.6	10.0	106		67-125
1,1-Dichloroethane	11.2	10.0	112		68-132
Vinyl Acetate	44.1	50.0	88		44-156
cis-1,2-Dichloroethene	10.3	10.0	103		71-118
2-Butanone (MEK)	52.8	50.0	106		71-149
Bromochloromethane	9.47	10.0	95		75-131
Chloroform	10.6	10.0	106		70-129
1,1,1-Trichloroethane (TCA)	9.73	10.0	97		59-136
Carbon Tetrachloride	9.31	10.0	93		55-140
Benzene	10.5	10.0	105		69-124
1,2-Dichloroethane (EDC)	11.6	10.0	116		56-142
Trichloroethene (TCE)	10.3	10.0	103		67-128
1,2-Dichloropropane	10.6	10.0	106		67-126
Dibromomethane	9.78	10.0	98		69-128
Bromodichloromethane	10.1	10.0	101		63-129
cis-1,3-Dichloropropene	8.26	10.0	83		62-132
4-Methyl-2-pentanone (MIBK)	47.7	50.0	95		64-134
Toluene	10.2	10.0	102		69-124
trans-1,3-Dichloropropene	7.74	10.0	77		59-125
1,1,2-Trichloroethane	10.6	10.0	106		74-118
Tetrachloroethene (PCE)	9.78	10.0	98		62-126
2-Hexanone	53.5	50.0	107		59-131
Dibromochloromethane	9.01	10.0	90		67-126

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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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Extracted:**	01/15/2013
Sample Matrix:	Water	**Date Analyzed:**	01/15/2013

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	8260C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1300448

Lab Control Sample
KWG1300448-3
Lab Control Spike

Analyte Name	Result	Spike Amount	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	9.35	10.0	94	74-118
Chlorobenzene	10.1	10.0	101	72-116
Ethylbenzene	10.4	10.0	104	67-121
1,1,1,2-Tetrachloroethane	8.41	10.0	84	66-124
m,p-Xylenes	20.8	20.0	104	69-121
o-Xylene	10.3	10.0	103	71-119
Styrene	9.81	10.0	98	74-121
Bromoform	8.03	10.0	80	52-144
cis-1,4-Dichloro-2-butene	14.9	30.0	50	26-171
1,1,2,2-Tetrachloroethane	11.5	10.0	115	70-127
trans-1,4-Dichloro-2-butene	26.6	30.0	89	46-170
1,2,3-Trichloropropane	10.8	10.0	108	69-123
1,4-Dichlorobenzene	11.2	10.0	112	73-115
1,2-Dichlorobenzene	11.0	10.0	110	72-115
1,2-Dibromo-3-chloropropane	8.47	10.0	85	55-132

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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Schmidt	**Units:**	ng/L
Lab Code:	K1300254-001	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	105	77-123	01/11/13	Acceptable
Toluene-d8	97	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	88	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Small	**Units:**	ng/L
Lab Code:	K1300254-002	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	106	77-123	01/11/13	Acceptable
Toluene-d8	98	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	86	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Kinman	**Units:**	ng/L
Lab Code:	K1300254-003	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	106	77-123	01/11/13	Acceptable
Toluene-d8	98	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	85	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/07/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	Camp	**Units:**	ng/L
Lab Code:	K1300254-004	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	107	77-123	01/11/13	Acceptable
Toluene-d8	98	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-5	**Units:**	ng/L
Lab Code:	K1300254-005	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	77-123	01/11/13	Acceptable
Toluene-d8	98	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	88	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-9	**Units:**	ng/L
Lab Code:	K1300254-006	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	109	77-123	01/11/13	Acceptable
Toluene-d8	98	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-10	**Units:**	ng/L
Lab Code:	K1300254-007	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	77-123	01/11/13	Acceptable
Toluene-d8	96	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-22S	**Units:**	ng/L
Lab Code:	K1300254-008	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	77-123	01/11/13	Acceptable
Toluene-d8	96	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	88	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-22D	**Units:**	ng/L
Lab Code:	K1300254-009	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	108	77-123	01/11/13	Acceptable
Toluene-d8	95	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-21S	**Units:**	ng/L
Lab Code:	K1300254-010	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	77-123	01/11/13	Acceptable
Toluene-d8	97	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-21D	**Units:**	ng/L
Lab Code:	K1300254-011	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	77-123	01/11/13	Acceptable
Toluene-d8	96	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	86	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-19	**Units:**	ng/L
Lab Code:	K1300254-012	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	77-123	01/11/13	Acceptable
Toluene-d8	95	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	86	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	D-19	**Units:**	ng/L
Lab Code:	K1300254-013	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	77-123	01/11/13	Acceptable
Toluene-d8	94	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-20	**Units:**	ng/L
Lab Code:	K1300254-014	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	102	77-123	01/11/13	Acceptable
Toluene-d8	98	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-3	**Units:**	ng/L
Lab Code:	K1300254-015	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	77-123	01/11/13	Acceptable
Toluene-d8	95	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	89	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-15D	**Units:**	ng/L
Lab Code:	K1300254-016	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	114	77-123	01/11/13	Acceptable
Toluene-d8	96	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	89	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-15	**Units:**	ng/L
Lab Code:	K1300254-017	**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	**870**		20	1	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	107	77-123	01/14/13	Acceptable
Toluene-d8	94	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	86	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/08/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-27	**Units:**	ng/L
Lab Code:	K1300254-018	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	109	77-123	01/14/13	Acceptable
Toluene-d8	96	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-11	**Units:**	ng/L
Lab Code:	K1300254-019	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	77-123	01/14/13	Acceptable
Toluene-d8	96	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-26	**Units:**	ng/L
Lab Code:	K1300254-020	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	113	77-123	01/14/13	Acceptable
Toluene-d8	96	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	85	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-17	**Units:**	ng/L
Lab Code:	K1300254-021	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	115	77-123	01/14/13	Acceptable
Toluene-d8	97	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-16	**Units:**	ng/L
Lab Code:	K1300254-022	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	113	77-123	01/14/13	Acceptable
Toluene-d8	96	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	88	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-18	**Units:**	ng/L
Lab Code:	K1300254-023	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	115	77-123	01/14/13	Acceptable
Toluene-d8	96	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/10/2013

Volatile Organic Compounds

Sample Name:	MW-14b	**Units:**	ng/L
Lab Code:	K1300254-024	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	114	77-123	01/14/13	Acceptable
Toluene-d8	95	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	88	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KWG1300381-4	**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	01/11/13	01/11/13	KWG1300381	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	77-123	01/11/13	Acceptable
Toluene-d8	98	74-112	01/11/13	Acceptable
4-Bromofluorobenzene	89	46-118	01/11/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KWG1300412-4	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	103	77-123	01/14/13	Acceptable
Toluene-d8	97	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	88	46-118	01/14/13	Acceptable

Comments:

Client: Schwyn Environmental Services **Service Request:** K1300254
Project: City of Walla Walla Sudbury Rd LF Remedial Inv.
Sample Matrix: Water

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B **Units:** PERCENT
Analysis Method: 8260C SIM **Level:** Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
Schmidt	K1300254-001	105	97	88
Small	K1300254-002	106	98	86
Kinman	K1300254-003	106	98	85
Camp	K1300254-004	107	98	87
MW-5	K1300254-005	110	98	88
MW-9	K1300254-006	109	98	87
MW-10	K1300254-007	111	96	87
MW-22S	K1300254-008	110	96	88
MW-22D	K1300254-009	108	95	87
MW-21S	K1300254-010	112	97	87
MW-21D	K1300254-011	111	96	86
MW-19	K1300254-012	110	95	86
D-19	K1300254-013	111	94	87
MW-20	K1300254-014	102	98	87
MW-3	K1300254-015	111	95	89
MW-15D	K1300254-016	114	96	89
MW-15	K1300254-017	107	94	86
MW-27	K1300254-018	109	96	87
MW-11	K1300254-019	112	96	87
MW-26	K1300254-020	113	96	85
MW-17	K1300254-021	115	97	87
MW-16	K1300254-022	113	96	88
MW-18	K1300254-023	115	96	87
MW-14b	K1300254-024	114	95	88
Method Blank	KWG1300381-4	99	98	89
Method Blank	KWG1300412-4	103	97	88
MW-20MS	KWG1300381-1	100	100	111
MW-20DMS	KWG1300381-2	100	101	110
Lab Control Sample	KWG1300381-3	99	100	110
Lab Control Sample	KWG1300412-3	103	98	111

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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Extracted:**	01/11/2013
Sample Matrix:	Water	**Date Analyzed:**	01/11/2013

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name:	MW-20	**Units:**	ng/L
Lab Code:	K1300254-014	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C SIM	**Extraction Lot:**	KWG1300381

		MW-20MS KWG1300381-1 Matrix Spike			MW-20DMS KWG1300381-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Vinyl Chloride	ND	2010	2000	101	1950	2000	98	70-130	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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Extracted:**	01/11/2013
Sample Matrix:	Water	**Date Analyzed:**	01/11/2013

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ng/L
Analysis Method:	8260C SIM	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1300381

Lab Control Sample
KWG1300381-3
Lab Control Spike

Analyte Name	Result	Spike Amount	%Rec	%Rec Limits
Vinyl Chloride	1760	2000	88	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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300254
Project:	City of Walla Walla Sudbury Rd LF Remedial Inv.	**Date Extracted:**	01/14/2013
Sample Matrix:	Water	**Date Analyzed:**	01/14/2013

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ng/L
Analysis Method:	8260C SIM	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1300412

	Lab Control Sample KWG1300412-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Vinyl Chloride	2080	2000	104	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.

January 29, 2013 Analytical Report for Service Request No: K1300301

Craig Schwyn
Schwyn Environmental Services
4621 South Custer Court
Spokane, WA 99223

RE: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.

Dear Craig:

Enclosed are the results of the samples submitted to our laboratory on January 11, 2013. For your reference, these analyses have been assigned our service request number K1300301.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3293. You may also contact me via Email at Shar.Samy@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Environmental

Shar Samy
Project Manager

SS/mj

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2286
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L12-28
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Georgia DNR	http://www.gaepd.org/Documents/techguide_pcb.html#cel	881
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
Indiana DOH	http://www.in.gov/isdh/24859.htm	C-WA-01
ISO 17025	http://www.pjlabs.com/	L12-27
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	3016
Louisiana DHH	Not available	LA110003
Maine DHS	Not available	WA0035
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-368
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA35
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
New Mexico ED	http://www.nmenv.state.nm.us/dwb/Index.htm	-
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA200001
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	4704427-08-TX
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C1203
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.caslab.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.caslab.com or at the accreditation bodies web site

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

ALS ENVIRONMENTAL

Client:	Schwyn Environmental Services	**Service Request No.:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Received:**	01/11/13
Sample Matrix:	Water		

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), Matrix/Duplicate Matrix Spike (MS/DMS), Laboratory Control Sample (LCS), and Laboratory/Duplicate Laboratory Control Sample (LCS/DLCS).

Sample Receipt

Six water samples were received for analysis at ALS Environmental on 01/11/13. The samples were received in good condition and consistent with the accompanying chain of custody form, except where noted on the cooler receipt and preservation form included in this report. The samples were stored in a refrigerator at 4ºC upon receipt at the laboratory.

General Chemistry Parameters

Total Organic Carbon by Standard Method 5310 C:
The Relative Percent Difference (RPD) criterion for the replicate analysis of Total Organic Carbon in sample MW-24 was not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

No other anomalies associated with the analysis of these samples were observed.

Dissolved Metals

Matrix Spike Recovery Exceptions:
The control criteria for matrix spike recovery of Calcium and Magnesium for sample MW-23 were not applicable. The analyzed concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.

No other anomalies associated with the analysis of these samples were observed.

Volatile Organic Compounds by EPA Method 8260

Calibration Verification Exceptions:
Several analytes were flagged as outside the lower control criterion for Continuing Calibration Verification (CCV) J:\MS13\0115F003.D: Bromomethane, cis-1,3-Dichloroproene, trans-1,3-Dichloropropene, 1,1,1,2-Tetrachloroethane, Bromoform, and 1,2-Dibromo-3-chloropropane. In accordance with the EPA Method, 80% or more of the CCV analytes must pass within 20% of the true value. The CAS SOP allows for 40% difference for the

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Volatile Organic Compounds by EPA Method 8260 (cont.)

Calibration Verification Exceptions: (cont.)
remaining analytes. The CCV met these criteria. The quality of the sample data was not significantly affected. No further corrective action was required.

The CAS control criterion for the following analyte was not met in Continuing Calibration Verification (CCV) :\MS13\0115F003.D: Iodomethane and cis-1,4-Dichloro-2-butene In accordance with CAS standard operating procedures, an MRL check standard containing the analyte of concern was analyzed each day of analysis. The MRL check standard verifies instrument sensitivity was adequate to detect the analyte at the MRL on the day of analysis. Because the sensitivity was shown to be adequate to detect the compound in question, and the field samples analyzed in this sequence did not contain the analyte in question, the data quality has not been significantly affected. No further corrective action was feasible.

Lab Control Sample Exceptions:
The advisory criterion was exceeded for Acetone in Laboratory Control Sample (LCS) KWG1300448-3. As per the CAS/Kelso Standard Operating Procedure (SOP) for this method, these compounds are not included in the subset of analytes used to control the analysis. The recovery information reported for these analytes is for advisory purposes only (i.e. to provide additional detail related to the performance of each individual compound). No further corrective action was required.

No other anomalies associated with the analysis of these samples were observed.

Volatile Organic Compounds by EPA Method 8260-SIM

No anomalies associated with the analysis of these samples were observed.

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CHAIN of CUSTODY

Columbia Analytical Services™

800.695.7222
www.caslab.com

Client: Schwyn Environmental Services
4621 South Custer Court
Spokane, WA 99223

Bill To: Schwyn Enviro. Svcs.
Telephone No.
509-448-3187

Method of Shipment

Project:
City of Walla Walla Sudbury Road Landfill Remedial Investigation

Tier II plus EDD

Special Detection Limit/Reporting

Sample I.D.	Date	Time	Matrix	VOC's (8260B special List)	Vinyl Chloride by 8260 SIM	Cl, NO3,SO4 by 300.0	ALK by Method 2320B	Ammonia by SM4500	TOC by Method 415.1	TDS by Method SM 2540C	Dissolved Ca,Fe,Mg,Mn,K,Na by 6010C	MS/MSD				
MW-23	1/9/13	1500	W	X	X	X	X	X	X	X	X	X				
MW-24		1530		X	X	X	X	X	X	X	X					
D24		1580		X	X	X	X	X	X	X	X					
MW-25		1615		X	X	X	X	X	X	X	X					
MW-12b	↓	1645	↓	X	X	X	X	X	X	X	X					
Trip Blank				X	X											

REMARKS

Sample Received Intact: Yes No

Temperature received:

Lab Work No. KL30231

Relinq. by sampler (Sign & Print Name)	Date	Time	Received by (Sign & Print Name)	
Craig Schwyn Craig Schwyn	1/10/13	1200	K Smith ACS K Smith	1020 1/11/13
Relinquished by	Date	Time	Received by laboratory	Time

PC Stor

Cooler Receipt and Preservation Form

Client / Project: Schwyn Service Request *K13* 00301

Received: 1/11/13 Opened: 1/11/13 By: KO Unloaded: 1/11/13 By: KO

1. Samples were received via? *Mail* *Fed 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? 1, Front 1, Back
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Raw Temp	Corr. Temp	Raw Blank	Corr. Blank	Corr. Factor	Thermometer ID	Cooler/COC ID (NA)	Tracking Number NA	Filed
0.0	-.2	4.5	4.3	-.2	307		1Z33819N8231000 0238	

SHORT HOLD TIME

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
D24	1-500ml R				X	HNO3	1ml	K23022	KO	1245

Notes, Discrepancies, & Resolutions: _____

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/9/13
Sample Matrix:	Water	**Date Received:**	01/11/13
Analysis Method:	300.0	**Units:**	mg/L
		Basis:	NA

Chloride

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-23	K1300301-001	**118**	4.0	20	01/11/13 14:06	
MW-24	K1300301-002	**99.6**	4.0	20	01/11/13 14:23	
D24	K1300301-003	**100**	4.0	20	01/11/13 14:40	
MW-25	K1300301-004	**62.0**	4.0	20	01/11/13 14:56	
MW-12b	K1300301-005	**136**	4.0	20	01/11/13 15:13	
Method Blank	K1300301-MB1	ND U	0.20	1	01/11/13 07:56	

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
		Date Analyzed:	01/11/13

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-23	**Units:**	mg/L
Lab Code:	K1300301-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1300301-001DUP Result	Average	RPD	RPD Limit
Chloride	300.0	4.0	118	118	118	<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.
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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
		Date Analyzed:	01/11/13

Duplicate Matrix Spike Summary
Chloride

Sample Name:	MW-23	**Units:**	mg/L
Lab Code:	K1300301-001	**Basis:**	NA
Analysis Method:	300.0		

		Matrix Spike K1300301-001MS			Duplicate Matrix Spike K1300301-001DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloride	118	225	100	107	227	100	108	90-110	<1	20

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request:K1300301
Date Analyzed:01/11/13

Lab Control Sample Summary
Chloride

Analysis Method: 300.0

Units:mg/L
Basis:NA
Analysis Lot:325449

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300301-LCS1	4.71	5.00	94	90-110

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/9/13
Sample Matrix:	Water	**Date Received:**	01/11/13
Analysis Method:	300.0	**Units:**	mg/L
		Basis:	NA

Nitrate as Nitrogen

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-23	K1300301-001	**10.3**	1.0	20	01/11/13 14:06	
MW-24	K1300301-002	**10.6**	1.0	20	01/11/13 14:23	
D24	K1300301-003	**10.6**	1.0	20	01/11/13 14:40	
MW-25	K1300301-004	**10.2**	1.0	20	01/11/13 14:56	
MW-12b	K1300301-005	**9.5**	1.0	20	01/11/13 15:13	
Method Blank	K1300301-MB1	ND U	0.050	1	01/11/13 07:56	

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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
		Date Analyzed:	01/11/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-23	**Units:**	mg/L
Lab Code:	K1300301-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1300301-001DUP Result	Average	RPD	RPD Limit
Nitrate as Nitrogen	300.0	1.0	10.3	10.2	10.3	1	20

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COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
		Date Analyzed:	01/11/13

Duplicate Matrix Spike Summary
Nitrate as Nitrogen

Sample Name:	MW-23	**Units:**	mg/L
Lab Code:	K1300301-001	**Basis:**	NA
Analysis Method:	300.0		

		Matrix Spike K1300301-001MS			Duplicate Matrix Spike K1300301-001DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrate as Nitrogen	10.3	113	100	103	115	100	104	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.

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QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request:K1300301
Date Analyzed:01/11/13

Lab Control Sample Summary
Nitrate as Nitrogen

Analysis Method: 300.0

Units:mg/L
Basis:NA
Analysis Lot:325449

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300301-LCS1	18.6	17.7	105	90-110

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/9/13
Sample Matrix:	Water	**Date Received:**	01/11/13
Analysis Method:	300.0	**Units:**	mg/L
		Basis:	NA

Sulfate

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-23	K1300301-001	**30.5**	2.0	20	01/11/13 14:06	
MW-24	K1300301-002	**30.2**	2.0	20	01/11/13 14:23	
D24	K1300301-003	**30.4**	2.0	20	01/11/13 14:40	
MW-25	K1300301-004	**25.6**	2.0	20	01/11/13 14:56	
MW-12b	K1300301-005	**34.9**	2.0	20	01/11/13 15:13	
Method Blank	K1300301-MB1	ND U	0.10	1	01/11/13 07:56	

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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
		Date Analyzed:	01/11/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-23					**Units:**	mg/L
Lab Code:	K1300301-001					**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1300301-001DUP Result	Average	RPD	RPD Limit
Sulfate	300.0	2.0	30.5	30.5	30.5	<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.
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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
		Date Analyzed:	01/11/13

Duplicate Matrix Spike Summary
Sulfate

Sample Name:	MW-23	**Units:**	mg/L
Lab Code:	K1300301-001	**Basis:**	NA
Analysis Method:	300.0		

		Matrix Spike			Duplicate Matrix Spike					
		K1300301-001MS			K1300301-001DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Sulfate	30.5	129	100	98	130	100	99	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.

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request:K1300301
Date Analyzed:01/11/13

Lab Control Sample Summary
Sulfate

Analysis Method: 300.0

Units:mg/L
Basis:NA
Analysis Lot:325449

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300301-LCS1	4.68	5.00	94	90-110

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/9/13
Sample Matrix:	Water	**Date Received:**	01/11/13
Analysis Method:	SM 2320 B	**Units:**	mg/L
		Basis:	NA

Alkalinity as CaCO3, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-23	K1300301-001	**293**	9.0	1	01/21/13 16:21	
MW-24	K1300301-002	**286**	9.0	1	01/21/13 16:21	
D24	K1300301-003	**284**	9.0	1	01/21/13 16:21	
MW-25	K1300301-004	**227**	9.0	1	01/21/13 16:21	
MW-12b	K1300301-005	**279**	9.0	1	01/21/13 16:21	
Method Blank	K1300301-MB1	ND U	9.0	1	01/21/13 16:21	
Method Blank	K1300301-MB2	**9.5**	9.0	1	01/21/13 16:21	

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
		Date Analyzed:	01/21/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-23	**Units:**	mg/L
Lab Code:	K1300301-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1300301-001DUP Result	Average	RPD	RPD Limit
Alkalinity as CaCO3, Total	SM 2320 B	9.0	293	301	297	3	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.

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request:K1300301
Date Analyzed:01/21/13

Lab Control Sample Summary
Alkalinity as CaCO3, Total

Analysis Method: SM 2320 B

Units:mg/L
Basis:NA
Analysis Lot:326458

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300301-LCS1	130	122	107	90-110
Lab Control Sample	K1300301-LCS2	129	122	106	90-110

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/9/13
Sample Matrix:	Water	**Date Received:**	01/11/13
Analysis Method:	SM 2540 C	**Units:**	mg/L
		Basis:	NA

Solids, Total Dissolved

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-23	K1300301-001	**644**	10	1	01/15/13 13:30	
MW-24	K1300301-002	**595**	10	1	01/15/13 13:30	
D24	K1300301-003	**564**	10	1	01/15/13 13:30	
MW-25	K1300301-004	**472**	10	1	01/15/13 13:30	
MW-12b	K1300301-005	**680**	10	1	01/15/13 13:30	
Method Blank	K1300301-MB1	ND U	5.0	1	01/15/13 13:30	
Method Blank	K1300301-MB2	ND U	5.0	1	01/15/13 13:30	

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
Analysis Method:	SM 2540 C	**Units:**	mg/L
		Basis:	NA

Duplicate Sample Summary
Solids, Total Dissolved

Sample Name:	Lab Code:	MRL	Sample Result	Duplicate Result	Average	RPD	RPD Limit	Date Analyzed
MW-23	K1300301-001DUP	10	644	635	640	1	10	01/15/13
MW-12b	K1300301-005DUP	10	680	642	661	6	10	01/15/13

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.

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request:K1300301
Date Analyzed:01/15/13

Lab Control Sample Summary
Solids, Total Dissolved

Analysis Method: SM 2540 C

Units:mg/L
Basis:NA
Analysis Lot:325841

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300301-LCS1	1880	1810	104	90-108

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/9/13
Sample Matrix:	Water	**Date Received:**	01/11/13
Analysis Method:	SM 4500-NH3 E	**Units:**	mg/L
		Basis:	NA

Ammonia as Nitrogen

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-23	K1300301-001	ND U	0.050	1	01/15/13 10:30	
MW-24	K1300301-002	**0.093**	0.050	1	01/15/13 10:30	
D24	K1300301-003	**0.071**	0.050	1	01/15/13 10:30	
MW-25	K1300301-004	**0.074**	0.050	1	01/15/13 10:30	
MW-12b	K1300301-005	ND U	0.050	1	01/15/13 10:30	
Method Blank	K1300301-MB1	ND U	0.050	1	01/15/13 10:30	

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
		Date Analyzed:	01/15/13

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-23	**Units:**	mg/L
Lab Code:	K1300301-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1300301-001DUP Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	SM 4500-NH3 E	0.050	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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
		Date Analyzed:	01/15/13

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name:	MW-23	**Units:**	mg/L
Lab Code:	K1300301-001	**Basis:**	NA
Analysis Method:	SM 4500-NH3 E		

Matrix Spike
K1300301-001MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	ND	9.93	10.0	99	80-115

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.

QA/QC Report

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request:K1300301
Date Analyzed:01/15/13

Lab Control Sample Summary
Ammonia as Nitrogen

Analysis Method: SM 4500-NH3 E

Units:mg/L
Basis:NA
Analysis Lot:325778

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300301-LCS1	10.2	10.9	94	80-115

Analytical Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/9/13
Sample Matrix:	Water	**Date Received:**	01/11/13
Analysis Method:	SM 5310 C	**Units:**	mg/L
		Basis:	NA

Carbon, Total Organic

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
MW-23	K1300301-001	**0.64**	0.50	1	01/11/13 23:39	
MW-24	K1300301-002	**0.80**	0.50	1	01/11/13 23:39	
D24	K1300301-003	**0.68**	0.50	1	01/11/13 23:39	
MW-25	K1300301-004	**0.56**	0.50	1	01/11/13 23:39	
MW-12b	K1300301-005	**0.68**	0.50	1	01/11/13 23:39	
Method Blank	K1300301-MB1	ND U	0.50	1	01/11/13 23:39	
Method Blank	K1300301-MB2	ND U	0.50	1	01/11/13 23:39	

QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
Analysis Method:	SM 5310 C	**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-23	K1300301-001DUP	0.50	0.64	0.62	0.630	2	10	01/11/13
MW-24	K1300301-002DUP	0.50	0.80	0.66	0.729	19 *	10	01/11/13
D24	K1300301-003DUP	0.50	0.68	0.69	0.684	2	10	01/11/13
MW-25	K1300301-004DUP	0.50	0.56	0.54	0.548	4	10	01/11/13
MW-12b	K1300301-005DUP	0.50	0.68	0.69	0.685	<1	10	01/11/13

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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/13
Sample Matrix:	Water	**Date Received:**	01/11/13
		Date Analyzed:	01/11/13

Matrix Spike Summary
Carbon, Total Organic

Sample Name:	MW-23	**Units:**	mg/L
Lab Code:	K1300301-001	**Basis:**	NA
Analysis Method:	SM 5310 C		

Matrix Spike
K1300301-001MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic	0.64	25.5	25.0	100	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 Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request:K1300301
Date Analyzed:01/11/13

Lab Control Sample Summary
Carbon, Total Organic

Analysis Method: SM 5310 C

Units:mg/L
Basis:NA
Analysis Lot:325516

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1300301-LCS1	23.1	22.7	102	83-117
Lab Control Sample	K1300301-LCS2	22.9	22.7	101	83-117

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Schwyn Environmental Services
Project Name: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Project No.:
Service Request: K1300301

Sample Name:	Lab Code:
MW-23	K1300301-001DISS
MW-23D	K1300301-001DISSD
MW-23S	K1300301-001DISSS
MW-24	K1300301-002DISS
D24	K1300301-003DISS
MW-25	K1300301-004DISS
MW-12b	K1300301-005DISS
Method Blank	K1300301-MB

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd.	**Date Received:**	1/11/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-23** **Lab Code:** **K1300301-001DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/17/13	112000		
Iron	6010C	20.0	1.0	01/14/13	01/17/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/17/13	44900		
Manganese	6010C	5.0	1.0	01/14/13	01/17/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/17/13	7510		
Sodium	6010C	200	1.0	01/14/13	01/17/13	25500		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd.	**Date Received:**	1/11/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-24** **Lab Code:** **K1300301-002DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/17/13	102000		
Iron	6010C	20.0	1.0	01/14/13	01/17/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/17/13	42000		
Manganese	6010C	5.0	1.0	01/14/13	01/17/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/17/13	7220		
Sodium	6010C	200	1.0	01/14/13	01/17/13	24800		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd.	**Date Received:**	1/11/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **D24** **Lab Code:** **K1300301-003DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/17/13	104000		
Iron	6010C	20.0	1.0	01/14/13	01/17/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/17/13	41800		
Manganese	6010C	5.0	1.0	01/14/13	01/17/13	5.4		
Potassium	6010C	400	1.0	01/14/13	01/17/13	7160		
Sodium	6010C	200	1.0	01/14/13	01/17/13	24600		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd.	**Date Received:**	1/11/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-25** **Lab Code:** **K1300301-004DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/17/13	77900		
Iron	6010C	20.0	1.0	01/14/13	01/17/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/17/13	27500		
Manganese	6010C	5.0	1.0	01/14/13	01/17/13	6.0		
Potassium	6010C	400	1.0	01/14/13	01/17/13	7100		
Sodium	6010C	200	1.0	01/14/13	01/17/13	30300		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project No.:	NA	**Date Collected:**	1/9/2013
Project Name:	City of Walla Walla Sudbury Rd.	**Date Received:**	1/11/2013
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **MW-12b** **Lab Code:** **K1300301-005DISS**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/17/13	109000		
Iron	6010C	20.0	1.0	01/14/13	01/17/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/17/13	45200		
Manganese	6010C	5.0	1.0	01/14/13	01/17/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/17/13	7150		
Sodium	6010C	200	1.0	01/14/13	01/17/13	29300		

Comments:

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project No.:	NA	**Date Collected:**	
Project Name:	City of Walla Walla Sudbury Rd.	**Date Received:**	
Matrix:	WATER	**Units:**	ug/L
		Basis:	NA

Sample Name: **Method Blank** **Lab Code:** **K1300301-MB**

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Calcium	6010C	50.0	1.0	01/14/13	01/17/13	50.0	U	
Iron	6010C	20.0	1.0	01/14/13	01/17/13	20.0	U	
Magnesium	6010C	20.0	1.0	01/14/13	01/17/13	20.0	U	
Manganese	6010C	5.0	1.0	01/14/13	01/17/13	5.0	U	
Potassium	6010C	400	1.0	01/14/13	01/17/13	400	U	
Sodium	6010C	200	1.0	01/14/13	01/17/13	200	U	

Comments:

Metals

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SPIKE SAMPLE RECOVERY

Client: Schwyn Environmental Services **Service Request:** K1300301

Project No.: NA **Units:** UG/L

Project Name: City of Walla Walla Sudbury Rd. **Basis:** NA

Matrix: WATER

Sample Name: MW-23S **Lab Code:** K1300301-001DISSS

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Calcium		124000		112000		10000.00	120.0		6010C
Iron	75 - 125	957		20.0	U	1000.00	95.7		6010C
Magnesium		51500		44900		10000.00	66.0		6010C
Manganese	84 - 121	463		5.0	U	500.00	92.6		6010C
Potassium	75 - 125	16300		7510		10000.00	87.9		6010C
Sodium	75 - 125	33400		25500		10000.00	79.0		6010C

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

Metals

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DUPLICATES

Client: Schwyn Environmental Services **Service Request:** K1300301

Project No.: NA **Units:** UG/L

Project Name: City of Walla Walla Sudbury Rd. **Basis:** NA

Matrix: WATER

Sample Name: MW-23D **Lab Code:** K1300301-001DISSD

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Calcium	20	112000		113000		0.9		6010C
Iron		20.0	U	20.0	U			6010C
Magnesium	20	44900		44000		2.0		6010C
Manganese		5.0	U	5.0	U			6010C
Potassium	20	7510		7340		2.3		6010C
Sodium	20	25500		25000		2.0		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:** K1300301

Project No.: NA

Project Name: City of Walla Walla Sudbury Rd.

Aqueous LCS Source: Inorganic Ventures **Solid LCS Source:**

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Calcium	12500	12700	101.6					
Iron	2500	2480	99.2					
Magnesium	12500	11900	95.2					
Manganese	1250	1220	97.6					
Potassium	12500	11700	93.6					
Sodium	12500	12000	96.0					

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request: K1300301
Date Collected: 01/09/2013
Date Received: 01/11/2013

Volatile Organic Compounds

Sample Name: MW-23
Lab Code: K1300301-001

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	**0.77**		0.50	1	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	**0.59**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	**0.71**		0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	**1.0**		0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	MW-23	**Units:**	ug/L
Lab Code:	K1300301-001	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	84	73-122	01/15/13	Acceptable
Toluene-d8	95	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	86	68-117	01/15/13	Acceptable

Comments:

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request: K1300301
Date Collected: 01/09/2013
Date Received: 01/11/2013

Volatile Organic Compounds

Sample Name: MW-24
Lab Code: K1300301-002

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	01/23/13	01/23/13	KWG1300674	
Chloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Vinyl Chloride	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromomethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Trichlorofluoromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Acetone	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Iodomethane	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
Carbon Disulfide	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Methylene Chloride	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	
Acrylonitrile	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1-Dichloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Vinyl Acetate	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
2-Butanone (MEK)	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Bromochloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloroform	**0.73**		0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Carbon Tetrachloride	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Benzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Trichloroethene (TCE)	**0.84**		0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichloropropane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Dibromomethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromodichloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Toluene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,2-Trichloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Tetrachloroethene (PCE)	**1.4**		0.50	1	01/23/13	01/23/13	KWG1300674	
2-Hexanone	ND	U	20	1	01/23/13	01/23/13	KWG1300674	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	MW-24	**Units:**	ug/L
Lab Code:	K1300301-002	**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
Dibromochloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	
Chlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Ethylbenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
m,p-Xylenes	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
o-Xylene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Styrene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromoform	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/23/13	01/23/13	KWG1300674	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/23/13	01/23/13	KWG1300674	
1,2,3-Trichloropropane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,4-Dichlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	100	73-122	01/23/13	Acceptable
Toluene-d8	100	65-144	01/23/13	Acceptable
4-Bromofluorobenzene	96	68-117	01/23/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	D24	**Units:**	ug/L
Lab Code:	K1300301-003	**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	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Vinyl Chloride	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromomethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Trichlorofluoromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Acetone	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Iodomethane	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
Carbon Disulfide	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Methylene Chloride	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	
Acrylonitrile	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1-Dichloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Vinyl Acetate	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
2-Butanone (MEK)	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Bromochloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloroform	**0.74**		0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Carbon Tetrachloride	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Benzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Trichloroethene (TCE)	**0.81**		0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichloropropane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Dibromomethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromodichloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Toluene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,2-Trichloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Tetrachloroethene (PCE)	**1.3**		0.50	1	01/23/13	01/23/13	KWG1300674	
2-Hexanone	ND	U	20	1	01/23/13	01/23/13	KWG1300674	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	D24	**Units:**	ug/L
Lab Code:	K1300301-003	**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
Dibromochloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	
Chlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Ethylbenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
m,p-Xylenes	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
o-Xylene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Styrene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromoform	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/23/13	01/23/13	KWG1300674	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/23/13	01/23/13	KWG1300674	
1,2,3-Trichloropropane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,4-Dichlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	100	73-122	01/23/13	Acceptable
Toluene-d8	99	65-144	01/23/13	Acceptable
4-Bromofluorobenzene	97	68-117	01/23/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	MW-25	**Units:**	ug/L
Lab Code:	K1300301-004	**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	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Vinyl Chloride	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromomethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Trichlorofluoromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Acetone	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Iodomethane	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
Carbon Disulfide	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Methylene Chloride	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	
Acrylonitrile	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1-Dichloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Vinyl Acetate	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
2-Butanone (MEK)	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Bromochloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloroform	**1.4**		0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Carbon Tetrachloride	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Benzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Trichloroethene (TCE)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichloropropane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Dibromomethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromodichloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Toluene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,2-Trichloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Tetrachloroethene (PCE)	**0.51**		0.50	1	01/23/13	01/23/13	KWG1300674	
2-Hexanone	ND	U	20	1	01/23/13	01/23/13	KWG1300674	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	MW-25	**Units:**	ug/L
Lab Code:	K1300301-004	**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
Dibromochloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	
Chlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Ethylbenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
m,p-Xylenes	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
o-Xylene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Styrene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromoform	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/23/13	01/23/13	KWG1300674	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/23/13	01/23/13	KWG1300674	
1,2,3-Trichloropropane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,4-Dichlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	101	73-122	01/23/13	Acceptable
Toluene-d8	101	65-144	01/23/13	Acceptable
4-Bromofluorobenzene	97	68-117	01/23/13	Acceptable

Comments:

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request: K1300301
Date Collected: 01/09/2013
Date Received: 01/11/2013

Volatile Organic Compounds

Sample Name: MW-12b
Lab Code: K1300301-005

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	01/23/13	01/23/13	KWG1300674	
Chloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Vinyl Chloride	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromomethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Trichlorofluoromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Acetone	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Iodomethane	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
Carbon Disulfide	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Methylene Chloride	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	
Acrylonitrile	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1-Dichloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Vinyl Acetate	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
2-Butanone (MEK)	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Bromochloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloroform	**0.91**		0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Carbon Tetrachloride	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Benzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Trichloroethene (TCE)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichloropropane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Dibromomethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromodichloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Toluene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,2-Trichloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Tetrachloroethene (PCE)	**0.74**		0.50	1	01/23/13	01/23/13	KWG1300674	
2-Hexanone	ND	U	20	1	01/23/13	01/23/13	KWG1300674	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	MW-12b	**Units:**	ug/L
Lab Code:	K1300301-005	**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
Dibromochloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	
Chlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Ethylbenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
m,p-Xylenes	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
o-Xylene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Styrene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromoform	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/23/13	01/23/13	KWG1300674	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/23/13	01/23/13	KWG1300674	
1,2,3-Trichloropropane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,4-Dichlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	101	73-122	01/23/13	Acceptable
Toluene-d8	101	65-144	01/23/13	Acceptable
4-Bromofluorobenzene	95	68-117	01/23/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	K1300301-006	**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	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	K1300301-006	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	83	73-122	01/15/13	Acceptable
Toluene-d8	95	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	88	68-117	01/15/13	Acceptable

Comments:

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request: K1300301
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1300448-4

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	01/15/13	01/15/13	KWG1300448	
Chloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Chloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
Chloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichlorofluoromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Acetone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	*
Iodomethane	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
Carbon Disulfide	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Methylene Chloride	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Acrylonitrile	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1-Dichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Vinyl Acetate	ND	U	5.0	1	01/15/13	01/15/13	KWG1300448	*
cis-1,2-Dichloroethene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Butanone (MEK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Bromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Chloroform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Carbon Tetrachloride	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Benzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Trichloroethene (TCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Dibromomethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromodichloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/15/13	01/15/13	KWG1300448	
Toluene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
1,1,2-Trichloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Tetrachloroethene (PCE)	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
2-Hexanone	ND	U	20	1	01/15/13	01/15/13	KWG1300448	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1300448-4	**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
Dibromochloromethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	
Chlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Ethylbenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
m,p-Xylenes	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
o-Xylene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Styrene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
Bromoform	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	*
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	*
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/15/13	01/15/13	KWG1300448	
1,2,3-Trichloropropane	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,4-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dichlorobenzene	ND	U	0.50	1	01/15/13	01/15/13	KWG1300448	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/15/13	01/15/13	KWG1300448	*

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	83	73-122	01/15/13	Acceptable
Toluene-d8	94	65-144	01/15/13	Acceptable
4-Bromofluorobenzene	88	68-117	01/15/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1300674-4	**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	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Vinyl Chloride	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromomethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Trichlorofluoromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Acetone	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Iodomethane	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
Carbon Disulfide	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Methylene Chloride	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	
Acrylonitrile	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
trans-1,2-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1-Dichloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Vinyl Acetate	ND	U	5.0	1	01/23/13	01/23/13	KWG1300674	
cis-1,2-Dichloroethene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
2-Butanone (MEK)	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Bromochloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Chloroform	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Carbon Tetrachloride	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Benzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Trichloroethene (TCE)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichloropropane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Dibromomethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromodichloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
cis-1,3-Dichloropropene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
4-Methyl-2-pentanone (MIBK)	ND	U	20	1	01/23/13	01/23/13	KWG1300674	
Toluene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
trans-1,3-Dichloropropene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,2-Trichloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Tetrachloroethene (PCE)	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
2-Hexanone	ND	U	20	1	01/23/13	01/23/13	KWG1300674	

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1300674-4	**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
Dibromochloromethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	
Chlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Ethylbenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
m,p-Xylenes	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
o-Xylene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Styrene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
Bromoform	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
cis-1,4-Dichloro-2-butene	ND	U	10	1	01/23/13	01/23/13	KWG1300674	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
trans-1,4-Dichloro-2-butene	ND	U	10	1	01/23/13	01/23/13	KWG1300674	
1,2,3-Trichloropropane	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,4-Dichlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dichlorobenzene	ND	U	0.50	1	01/23/13	01/23/13	KWG1300674	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	01/23/13	01/23/13	KWG1300674	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	73-122	01/23/13	Acceptable
Toluene-d8	99	65-144	01/23/13	Acceptable
4-Bromofluorobenzene	97	68-117	01/23/13	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: Schwyn Environmental Services **Service Request:** K1300301

Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.

Sample Matrix: Water

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B **Units:** PERCENT

Analysis Method: 8260C **Level:** Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
MW-23	K1300301-001	84	95	86
MW-24	K1300301-002	100	100	96
D24	K1300301-003	100	99	97
MW-25	K1300301-004	101	101	97
MW-12b	K1300301-005	101	101	95
Trip Blank	K1300301-006	83	95	88
Method Blank	KWG1300448-4	83	94	88
Method Blank	KWG1300674-4	99	99	97
MW-23MS	KWG1300448-1	85	95	92
MW-23DMS	KWG1300448-2	87	95	92
Lab Control Sample	KWG1300448-3	85	96	91
Lab Control Sample	KWG1300674-3	104	102	100
Duplicate Lab Control Sample	KWG1300674-6	104	102	101

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	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Extracted:**	01/15/2013
Sample Matrix:	Water	**Date Analyzed:**	01/15/2013

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name:	MW-23	**Units:**	ug/L
Lab Code:	K1300301-001	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C	**Extraction Lot:**	KWG1300448

		MW-23MS KWG1300448-1 Matrix Spike			MW-23DMS KWG1300448-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Vinyl Chloride	ND	9.72	10.0	97	8.98	10.0	90	49-136	8	30
1,1-Dichloroethene	ND	12.2	10.0	122	11.3	10.0	113	59-171	8	30
Chloroform	0.59	11.4	10.0	108	11.0	10.0	104	64-133	3	30
Carbon Tetrachloride	ND	9.26	10.0	93	8.90	10.0	89	53-161	4	30
Benzene	ND	10.5	10.0	105	10.1	10.0	101	63-144	4	30
Trichloroethene (TCE)	0.71	11.0	10.0	103	10.3	10.0	96	53-139	7	30
Bromodichloromethane	ND	10.2	10.0	102	10.1	10.0	101	61-134	1	30
Toluene	ND	10.4	10.0	104	9.89	10.0	99	71-136	5	30
1,1,2-Trichloroethane	ND	11.0	10.0	110	10.8	10.0	108	74-124	2	30
2-Hexanone	ND	52.0	50.0	104	53.2	50.0	106	53-132	2	30
Chlorobenzene	ND	10.4	10.0	104	10.1	10.0	101	69-126	3	30
Ethylbenzene	ND	10.8	10.0	108	10.2	10.0	102	66-136	5	30
1,2,3-Trichloropropane	ND	11.6	10.0	116	11.9	10.0	119	71-127	3	30
1,2-Dichlorobenzene	ND	11.4	10.0	114	11.1	10.0	111	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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Extracted:**	01/15/2013
Sample Matrix:	Water	**Date Analyzed:**	01/15/2013

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	8260C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1300448

	Lab Control Sample KWG1300448-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Dichlorodifluoromethane	9.33	10.0	93	32-124
Chloromethane	11.4	10.0	114	34-130
Vinyl Chloride	9.80	10.0	98	55-123
Bromomethane	8.71	10.0	87	35-113
Chloroethane	10.9	10.0	109	58-134
Trichlorofluoromethane	9.07	10.0	91	52-141
1,1-Dichloroethene	12.1	10.0	121	66-129
Acetone	67.9	50.0	136 *	68-135
Iodomethane	22.4	30.0	75	51-164
Carbon Disulfide	18.9	20.0	95	46-144
Methylene Chloride	10.3	10.0	103	71-122
Acrylonitrile	39.1	40.0	98	65-129
trans-1,2-Dichloroethene	10.6	10.0	106	67-125
1,1-Dichloroethane	11.2	10.0	112	68-132
Vinyl Acetate	44.1	50.0	88	44-156
cis-1,2-Dichloroethene	10.3	10.0	103	71-118
2-Butanone (MEK)	52.8	50.0	106	71-149
Bromochloromethane	9.47	10.0	95	75-131
Chloroform	10.6	10.0	106	70-129
1,1,1-Trichloroethane (TCA)	9.73	10.0	97	59-136
Carbon Tetrachloride	9.31	10.0	93	55-140
Benzene	10.5	10.0	105	69-124
1,2-Dichloroethane (EDC)	11.6	10.0	116	56-142
Trichloroethene (TCE)	10.3	10.0	103	67-128
1,2-Dichloropropane	10.6	10.0	106	67-126
Dibromomethane	9.78	10.0	98	69-128
Bromodichloromethane	10.1	10.0	101	63-129
cis-1,3-Dichloropropene	8.26	10.0	83	62-132
4-Methyl-2-pentanone (MIBK)	47.7	50.0	95	64-134
Toluene	10.2	10.0	102	69-124
trans-1,3-Dichloropropene	7.74	10.0	77	59-125
1,1,2-Trichloroethane	10.6	10.0	106	74-118
Tetrachloroethene (PCE)	9.78	10.0	98	62-126
2-Hexanone	53.5	50.0	107	59-131
Dibromochloromethane	9.01	10.0	90	67-126

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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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Extracted:**	01/15/2013
Sample Matrix:	Water	**Date Analyzed:**	01/15/2013

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	8260C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1300448

Lab Control Sample
KWG1300448-3
Lab Control Spike

Analyte Name	Result	Spike Amount	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	9.35	10.0	94	74-118
Chlorobenzene	10.1	10.0	101	72-116
Ethylbenzene	10.4	10.0	104	67-121
1,1,1,2-Tetrachloroethane	8.41	10.0	84	66-124
m,p-Xylenes	20.8	20.0	104	69-121
o-Xylene	10.3	10.0	103	71-119
Styrene	9.81	10.0	98	74-121
Bromoform	8.03	10.0	80	52-144
cis-1,4-Dichloro-2-butene	14.9	30.0	50	26-171
1,1,2,2-Tetrachloroethane	11.5	10.0	115	70-127
trans-1,4-Dichloro-2-butene	26.6	30.0	89	46-170
1,2,3-Trichloropropane	10.8	10.0	108	69-123
1,4-Dichlorobenzene	11.2	10.0	112	73-115
1,2-Dichlorobenzene	11.0	10.0	110	72-115
1,2-Dibromo-3-chloropropane	8.47	10.0	85	55-132

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.

Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request: K1300301
Date Extracted: 01/23/2013
Date Analyzed: 01/23/2013

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: KWG1300674

	Lab Control Sample KWG1300674-3 Lab Control Spike			Duplicate Lab Control Sample KWG1300674-6 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	8.14	10.0	81	8.13	10.0	81	32-124	0	30
Chloromethane	9.71	10.0	97	9.51	10.0	95	34-130	2	30
Vinyl Chloride	8.73	10.0	87	8.32	10.0	83	55-123	5	30
Bromomethane	9.02	10.0	90	8.74	10.0	87	35-113	3	30
Chloroethane	9.45	10.0	95	8.98	10.0	90	58-134	5	30
Trichlorofluoromethane	8.50	10.0	85	8.27	10.0	83	52-141	3	30
1,1-Dichloroethene	12.6	10.0	126	12.2	10.0	122	66-129	3	30
Acetone	48.2	50.0	96	50.1	50.0	100	68-135	4	30
Iodomethane	38.3	30.0	128	37.4	30.0	125	51-164	3	30
Carbon Disulfide	20.9	20.0	105	18.9	20.0	95	46-144	10	30
Methylene Chloride	10.3	10.0	103	9.92	10.0	99	71-122	4	30
Acrylonitrile	38.8	40.0	97	38.4	40.0	96	65-129	1	30
trans-1,2-Dichloroethene	11.0	10.0	110	10.4	10.0	104	67-125	6	30
1,1-Dichloroethane	10.1	10.0	101	10.1	10.0	101	68-132	1	30
Vinyl Acetate	39.5	50.0	79	40.9	50.0	82	44-156	4	30
cis-1,2-Dichloroethene	10.5	10.0	105	10.1	10.0	101	71-118	4	30
2-Butanone (MEK)	50.0	50.0	100	50.7	50.0	101	71-149	1	30
Bromochloromethane	10.7	10.0	107	10.5	10.0	105	75-131	2	30
Chloroform	10.9	10.0	109	10.6	10.0	106	70-129	3	30
1,1,1-Trichloroethane (TCA)	10.0	10.0	100	10.2	10.0	102	59-136	2	30
Carbon Tetrachloride	10.1	10.0	101	9.94	10.0	99	55-140	2	30
Benzene	10.3	10.0	103	10.0	10.0	100	69-124	2	30
1,2-Dichloroethane (EDC)	10.7	10.0	107	10.4	10.0	104	56-142	4	30
Trichloroethene (TCE)	10.9	10.0	109	10.5	10.0	105	67-128	4	30
1,2-Dichloropropane	10.3	10.0	103	10.3	10.0	103	67-126	0	30
Dibromomethane	10.6	10.0	106	10.4	10.0	104	69-128	2	30
Bromodichloromethane	10.5	10.0	105	10.3	10.0	103	63-129	2	30
cis-1,3-Dichloropropene	9.01	10.0	90	9.00	10.0	90	62-132	0	30
4-Methyl-2-pentanone (MIBK)	48.4	50.0	97	47.7	50.0	95	64-134	1	30
Toluene	10.1	10.0	101	9.90	10.0	99	69-124	2	30
trans-1,3-Dichloropropene	10.2	10.0	102	10.1	10.0	101	59-125	1	30
1,1,2-Trichloroethane	10.4	10.0	104	10.3	10.0	103	74-118	1	30
Tetrachloroethene (PCE)	10.9	10.0	109	10.7	10.0	107	62-126	2	30
2-Hexanone	50.7	50.0	101	53.1	50.0	106	59-131	5	30
Dibromochloromethane	10.1	10.0	101	10.0	10.0	100	67-126	1	30

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Client: Schwyn Environmental Services
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Service Request: K1300301
Date Extracted: 01/23/2013
Date Analyzed: 01/23/2013

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: KWG1300674

	Lab Control Sample KWG1300674-3 Lab Control Spike			Duplicate Lab Control Sample KWG1300674-6 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromoethane (EDB)	10.4	10.0	104	10.2	10.0	102	74-118	2	30
Chlorobenzene	10.4	10.0	104	10.2	10.0	102	72-116	2	30
Ethylbenzene	10.7	10.0	107	10.5	10.0	105	67-121	2	30
1,1,1,2-Tetrachloroethane	10.1	10.0	101	9.87	10.0	99	66-124	2	30
m,p-Xylenes	21.3	20.0	107	20.9	20.0	104	69-121	2	30
o-Xylene	10.5	10.0	105	10.4	10.0	104	71-119	1	30
Styrene	11.1	10.0	111	10.9	10.0	109	74-121	2	30
Bromoform	9.59	10.0	96	9.58	10.0	96	52-144	0	30
cis-1,4-Dichloro-2-butene	26.9	30.0	90	28.6	30.0	95	26-171	6	30
1,1,2,2-Tetrachloroethane	10.1	10.0	101	10.1	10.0	101	70-127	0	30
trans-1,4-Dichloro-2-butene	26.9	30.0	90	26.4	30.0	88	46-170	2	30
1,2,3-Trichloropropane	11.3	10.0	113	11.7	10.0	117	69-123	3	30
1,4-Dichlorobenzene	10.5	10.0	105	10.3	10.0	103	73-115	1	30
1,2-Dichlorobenzene	10.5	10.0	105	10.5	10.0	105	72-115	0	30
1,2-Dibromo-3-chloropropane	9.96	10.0	100	10.3	10.0	103	55-132	3	30

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COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Results

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	MW-23	**Units:**	ng/L
Lab Code:	K1300301-001	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	107	77-123	01/14/13	Acceptable
Toluene-d8	97	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	MW-24	**Units:**	ng/L
Lab Code:	K1300301-002	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	114	77-123	01/14/13	Acceptable
Toluene-d8	96	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	88	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	D24	**Units:**	ng/L
Lab Code:	K1300301-003	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	116	77-123	01/14/13	Acceptable
Toluene-d8	95	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	88	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	MW-25	**Units:**	ng/L
Lab Code:	K1300301-004	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	116	77-123	01/14/13	Acceptable
Toluene-d8	96	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	88	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	MW-12b	**Units:**	ng/L
Lab Code:	K1300301-005	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	116	77-123	01/14/13	Acceptable
Toluene-d8	94	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	89	46-118	01/14/13	Acceptable

Comments:

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	01/09/2013
Sample Matrix:	Water	**Date Received:**	01/11/2013

Volatile Organic Compounds

Sample Name:	Trip Blank	**Units:**	ng/L
Lab Code:	K1300301-006	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	106	77-123	01/14/13	Acceptable
Toluene-d8	97	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	87	46-118	01/14/13	Acceptable

Comments:

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Analytical Results

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KWG1300412-4	**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	01/14/13	01/14/13	KWG1300412	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	103	77-123	01/14/13	Acceptable
Toluene-d8	97	74-112	01/14/13	Acceptable
4-Bromofluorobenzene	88	46-118	01/14/13	Acceptable

Comments:

Client: Schwyn Environmental Services **Service Request:** K1300301
Project: City of Walla Walla Sudbury Rd. Landfill Rem. Inv.
Sample Matrix: Water

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B **Units:** PERCENT
Analysis Method: 8260C SIM **Level:** Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
MW-23	K1300301-001	107	97	87
MW-24	K1300301-002	114	96	88
D24	K1300301-003	116	95	88
MW-25	K1300301-004	116	96	88
MW-12b	K1300301-005	116	94	89
Trip Blank	K1300301-006	106	97	87
Method Blank	KWG1300412-4	103	97	88
MW-23MS	KWG1300412-1	103	99	111
MW-23DMS	KWG1300412-2	103	100	110
Lab Control Sample	KWG1300412-3	103	98	111

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.

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Extracted:**	01/14/2013
Sample Matrix:	Water	**Date Analyzed:**	01/14/2013

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name:	MW-23	**Units:**	ng/L
Lab Code:	K1300301-001	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C SIM	**Extraction Lot:**	KWG1300412

		MW-23MS KWG1300412-1 Matrix Spike			MW-23DMS KWG1300412-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**%Rec**	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Vinyl Chloride	ND	1950	2000	98	1920	2000	96	70-130	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.

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QA/QC Report

Client:	Schwyn Environmental Services	**Service Request:**	K1300301
Project:	City of Walla Walla Sudbury Rd. Landfill Rem. Inv.	**Date Extracted:**	01/14/2013
Sample Matrix:	Water	**Date Analyzed:**	01/14/2013

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ng/L
Analysis Method:	8260C SIM	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1300412

	Lab Control Sample KWG1300412-3 Lab Control Spike			
Analyte Name	**Result**	**Spike Amount**	**%Rec**	**%Rec Limits**
Vinyl Chloride	2080	2000	104	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.