

February 27, 2018

Ms. Katie Robertson
Oregon Department of Environmental Quality
800 SE Emigrant, Suite 330
Pendleton, Oregon 97801

Re: Monitoring Well Abandonments

Former Progress Cleaners (ECSI #3798)

**8602 SW Hall Boulevard Beaverton, Oregon**150-001-051/Task 9

Dear Ms. Robertson:

This letter summarizes the abandonment of four monitoring wells at the Former Progress Cleaners site located at 8602 SW Hall Boulevard in Beaverton, Oregon (Figure 1). The site received a Conditional No Further Action determination from the Oregon Department of Environmental Quality (DEQ) on November 9, 2015. Abandonment activities were conducted on October 20 and 24, 2017, and included abandoning wells MW-1 to MW-4, by overdrilling. Figure 2 shows the abandoned monitoring well locations. All work was completed for the DEQ under Task Order 22-13-51.

## **Preparatory Activities**

Hart Crowser conducted a competitive bid solicitation for private utility locating, well abandoning, and for picking up and disposing of investigation-derived waste (IDW). Based on cost and the ability to complete the work within the required timeframe, the following subcontractors were selected: APS Locates of Portland, Oregon, to perform private utility locates at the abandonment locations; Stratus Corporation (Stratus) of Gaston, Oregon, for monitoring well abandonment; and WasteXpress of Portland, Oregon, to pick up and dispose of the IDW. Access to the well locations was granted by an access agreement that DEQ has with the site's property owner.

#### Abandonment Activities

Well abandonment activities, including mobilization to the site, occurred on October 20 and 24, 2017, and were completed on those two days. Monitoring wells MW-1 to MW-4 were abandoned by overdrilling by Stratus, an Oregon-licensed driller, in accordance with Oregon Water Resource Department (OWRD) regulations (Oregon Administrative Rule [OAR] 690-340). Copies of the

Tel 503.620.7284



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decommissioning logs are presented in Attachment A. Photographs of the abandonment activities are included in Attachment B.

Hart Crowser arrived on the site the morning of October 20, 2017, with APS Locates to perform an underground utility locate in the areas around the wells prior to abandonment activities. During the utility locate, a City of Beaverton (City) sewer line was identified within close proximity of well MW-2 (Photograph 1). The City was notified and arrived at the site to measure the depth of the utility. The sewer line was found to be 13 feet below ground surface (bgs). Abandonment by overdrilling consisted of removing the flush-mounted monument, and to the extent practicable, pulling the well riser casing and well screen from the ground. Except for MW-2, after the casing and screen were removed, the well bores were overdrilled using a push probe drill rig fitted with a 3.75-inch-diameter solid-stem auger (Photograph 2). The wells were overdrilled to 25 feet bgs. Hydrated bentonite chips were used to backfill the holes to approximately 2.5 feet bgs and concrete (dyed black) was placed as a surface seal over the bentonite (Photograph 3). Air knifing to "clear" well MW-2 from the sewer utility line was completed to 14 feet bgs using a vacuum truck (Photograph 4). MW-2 was then overdrilled from 14 to 25 feet bgs and similarly backfilled.

Well casing, concrete, steel monument, bentonite/concrete bags, and personal protective equipment were disposed of by Stratus as solid waste. Soil IDW consisted of approximately 25 cubic feet of soil cuttings generated during overdrilling and air knifing. Approximately 2 gallons of decontamination wash water was generated and added to the soil IDW. The soil IDW was containerized in three individual, labelled 55-gallon drums, sampled for disposal profiling, and stored on the site. As tetrachloroethylene (an F-listed hazardous waste) was detected at the site, the DEQ evaluated the generation of the soil IDW in a December 13, 2017, No Longer Contained-In (NLCI) Determination. Based on analytical results, the IDW was designated as non-hazardous per the NLCI Determination and thus could be disposed of as a non-hazardous waste. The soil IDW was picked up and delivered to Chemical Waste Management's (CWM), Columbia Ridge Landfill disposal facility in Arlington, Oregon on January 4, 2018. Upon arrival, one of the soil drums contained approximately 5 gallons of water. Because the water was not addressed by the NLCI Determination, CWM indicated that the water (and the associated soil) could not be disposed of as non-hazardous waste. As such, the contents of the drum were treated by incineration as F002-listed hazardous waste. The IDW laboratory report and disposal receipt are provided in Attachment C.



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#### Limitations

Work performed by Hart Crowser for this project and in preparation of this letter was conducted in accordance with generally accepted professional practices in the same or similar localities, related to the nature of the work accomplished at the time our services were performed. This letter is for specific application to the referenced project and for the exclusive use of the DEQ. No other warranty, express or implied, is made. If you have any questions regarding this letter, please feel free to contact us.

Sincerely,

HART CROWSER, INC.



Expires: 12/31/2018
ANTHONY CHAVEZ, RG
Task Order Manager

**RICHARD D. ERNST, RG**Program Manager

Richard D. Z

Attachments:

Figure 1 – Site Location Map

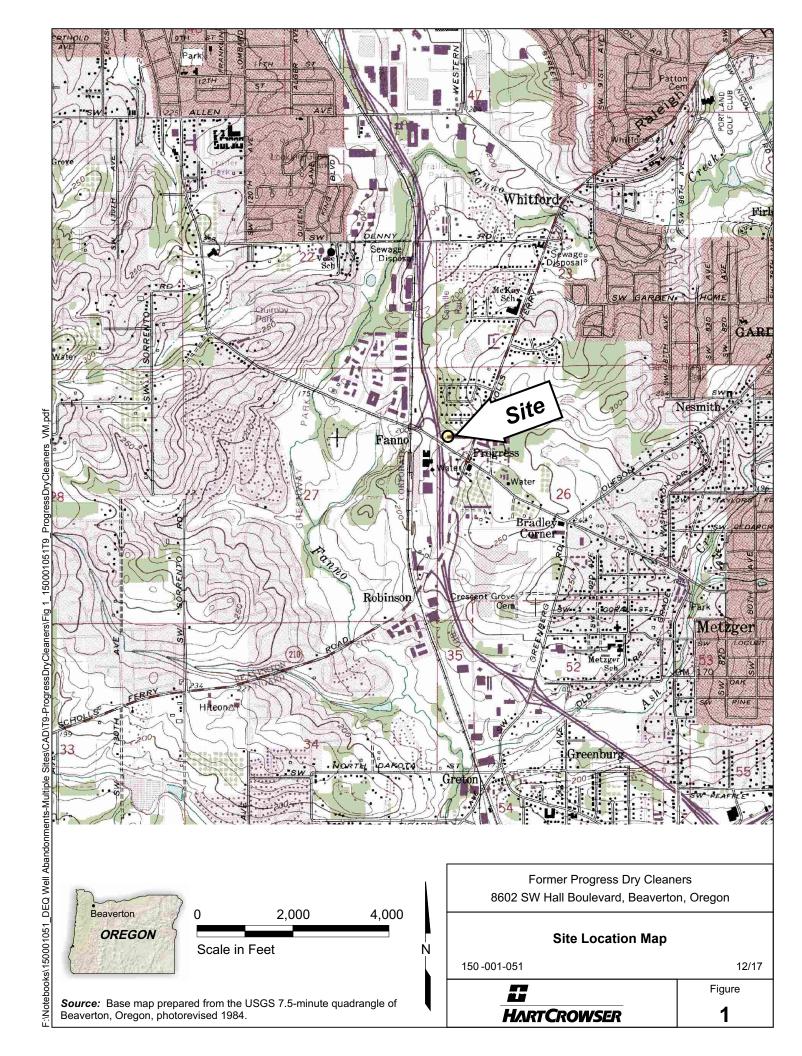
Figure 2 – Monitoring Well Abandonments

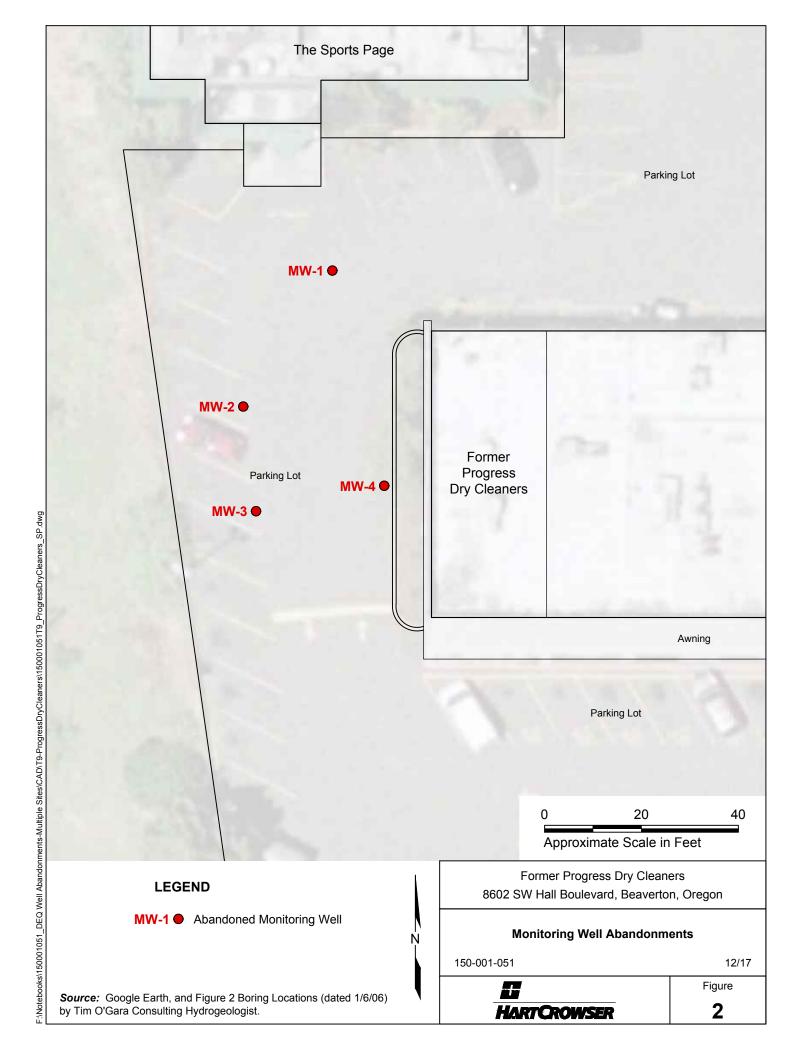
Attachment A – Decommissioning Logs

Attachment B – Photograph Log

Attachment C – IDW Laboratory Report and Disposal Documentation

cc: Steve Campbell, DEQ (Headquarters)
Mark Pugh, DEQ (Portland)





# ATTACHMENT A Decommissioning Logs



#### STATE OF OREGON MONITORING WELL REPORT

(as required by ORS 537.765 & OAR 690-240-0395)

11/20/2017

WELL I.D. LABEL# L	96951
START CARD#	1036745

(1) LAND OW	NER Owner Well I.D. MW-1	(6) LOCATION OF WELL (legal description)							
First Name	Last Name	County Washington Twp 1.00 S N/S Range 1.00 W E/W WM							
Company HUDSON	INVESTMENT COMPANY	Sec 26 SW 1/4 of the NW 1/4 Tax Lot 200							
Address PO BOX 19	9119	Tax Map Number Lot							
City PORTLAND	State OR Zip 97280	Lat or DMS or DD Long or DMS or DD							
(2) TYPE OF W		Long o ' or DMS or DD  Street address of well Nearest address							
Alteration (repair	r/recondition) X Abandonment	8628 SW HALL BLVD							
(3) DRILL MET	THOD	BEAVERTON, OR 97005							
	otary Mud Cable Hollow Stem Auger Cable Mud	(7) STATIC WATER LEVEL							
Reverse Rotary	X Other SSA	Date SWL(psi) + SWL(ft)							
(4) CONSTRUC	TION Piezometer Well	Existing Well / Predeepening							
Der	oth of Completed Well 25.00 ft. Special Standard	Completed Well  Flowing Artesian? Dry Hole?							
Бер	25.00	WATER BEARING ZONES  Depth water was first found							
	MONUMENT/VAULT	SWL Date From To Est Flow SWL(psi) + SWL(ft)							
	From To								
	BORE HOLE								
	Diameter 3.75 From 0 To 25								
	CASING	(8) WELL LOG Ground Elevation							
	Dia. From To	Material From To							
	Gauge Wld Thrd	concrete 0 2.5							
	Material Steel Plastic	bentonite chips 2.5 25							
	LINER								
	Dia. From To								
	Gauge Wld Thrd  Material Steel Plastic								
	James Control Control Control								
	SEAL								
	From To								
	Material								
	Amount Grout weight								
	SCREEN								
	Casing/Liner Material								
	Diameter From To								
	Slot Size	Date Started 10/19/2017 Completed 10/19/2017							
	EH TED								
From To	FILTER  Material Size of pack	(unbonded) Monitor Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or							
	·	abandonment of this well is in compliance with Oregon monitoring well							
(5) WELL TEST	S	construction standards. Materials used and information reported above are true to the best of my knowledge and belief.							
Pump	Bailer Air Flowing Artesian	License Number 10663 Date 11/20/2017							
Yield gal/min	Drawdown Drill stem/Pump depth Duration (hr)	Password : (if filing electronically)							
		Signed THOMAS TIPTON (E-filed)							
		(bonded) Monitor Well Constructor Certification							
Temperature	°F Lab analysis Yes By	I accept responsibility for the construction, deepening, alteration, or abandonment							
Supervising Geologist	<del>_</del>	work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon monitoring well							
Water quality concern		construction standards. This report is true to the best of my knowledge and belief.							
From To		License Number 1537 Date 11/20/2017							
		Password : (if filing electronically)							
		Signed SCOTT FLAHERTY (E-filed) Contact Info (optional) Scott Flaherty 503.985.7912							
-	+ + +	Copulation (opaidm) Book Figure 303.703.7712							

#### STATE OF OREGON MONITORING WELL REPORT

(as required by ORS 537.765 & OAR 690-240-0395)

11/20/2017

WELL I.D. LABEL# L	96952
START CARD#	1036746

(1) LAND OW	NER Owner Well I.D. MW-2	(6) LOCATION OF WELL (legal description)
First Name	Last Name	County WASHINGTON Twp 1.00 S N/S Range 1.00 W E/W WM
Company HUDSON	INVESTMENT COMPANY	Sec 26 SW 1/4 of the NW 1/4 Tax Lot 200
Address PO BOX 19	9119	Tax Map Number Lot DMS or DD
City PORTLAND	State OR Zip 97280	
	ORK New Deepening Conversion	Long o ' or DMS or DD  Street address of well Nearest address
Alteration (repair	r/recondition) X Abandonment	8628 SW HALL BLVD
(3) DRILL MET	THOD	BEAVERTON, OR 97005
	otary Mud Cable Hollow Stem Auger Cable Mud	(7) STATIC WATER LEVEL
Reverse Rotary	X Other SSA, VAC	Date SWL(psi) + SWL(ft)
(4) CONSTRUC	TION Piezometer Well	Existing Well / Predeepening
Der	oth of Completed Well 25.00 ft. Special Standard	Completed Well  Flowing Artesian?  Dry Hole?
Бер	25.00 <u>25.00</u>	WATER BEARING ZONES  Depth water was first found
	MONUMENT/VAULT B	SWL Date From To Est Flow SWL(psi) + SWL(ft)
	From To	
	BORE HOLE	
	Diameter 5 From 0 To 14	
	CASING	(8) WELL LOG Ground Elevation
	Dia. From To	Material From To
	Gauge Wld Thrd	concrete 0 2.5
	Material Steel Plastic	bentonite chips 2.5 25
	LINER	
	Dia. From To	
	Gauge Wld Thrd  Material Steel Plastic	
	Manuel Ma	
	SEAL	
	From To	
	Material	
	Amount Grout weight	
	SCREEN	
	Casing/Liner Material	
	Diameter From To	
	Slot Size	Data Started 10/21/2017
		Date Started <u>10/24/2017</u> Completed <u>10/24/2017</u>
From To	FILTER  Material Size of pack	(unbonded) Monitor Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or
	·	abandonment of this well is in compliance with Oregon monitoring well
(5) WELL TEST	S	construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
Pump	Bailer Air Flowing Artesian	
Yield gal/min	Drawdown Drill stem/Pump depth Duration (hr)	License Number 10663 Date 11/20/2017  Password : (if filing electronically)
		Signed THOMAS TIPTON (E-filed)
		(bonded) Monitor Well Constructor Certification
Temperature	°F Lab analysis Yes By	I accept responsibility for the construction, deepening, alteration, or abandonment
Supervising Geologist	<del>_</del>	work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon monitoring well
Water quality concern		construction standards. This report is true to the best of my knowledge and belief.
From To		License Number 1537 Date 11/20/2017
		Password : (if filing electronically)
	+ + +	Signed SCOTT FLAHERTY (E-filed) Contact Info (optional) Scott Flaherty 503.985.7912
		Contact into (optional) Scott Patienty 203.703.7712

START CARD # 1036746

									-	11/20/	<b>201</b>	7								
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	Mat	terial		SEA		A			grout weight											
												(8) W	ELL I		erial			From		То
CAS	ING/L	INEI	R								-									
SCRI	EENS Casing/Liner		n	rom	To	Scrn si slot wi		Stl	# of slots											
5) WE	LL TE	ESTS	3								-	Con	ments	/Remarl	SS .					
	d gal/min		Conce		Drill st		mp de		Duratio											

#### STATE OF OREGON MONITORING WELL REPORT

(as required by ORS 537.765 & OAR 690-240-0395)

11/20/2017

WELL I.D. LABEL# L	96953
START CARD#	1036747

(1) LAND OWNER Owner Well I.D. MW-3	(6) LOCATION OF WELL (legal description)							
First Name Last Name	County WASHINGTON Twp 1.00 S N/S Range 1.00 W E/W WM							
Company HUDSON INVESTMENT COMPANY	Sec 26 SW 1/4 of the NW 1/4 Tax Lot 200							
Address PO BOX 19119	Tax Map Number Lot Lat ' ' or DMS or DD							
City PORTLAND State OR Zip 97280	Lat "or DMS or DD Long "or "or DMS or DD							
(2) TYPE OF WORK New Deepening Conversion	Long or DMS or DD  Street address of well Nearest address							
Alteration (repair/recondition) X Abandonment	8628 SW HALL BLVD							
(3) DRILL METHOD	BEAVERTON, OR 97005							
Rotary Air Rotary Mud Cable Hollow Stem Auger Cable Mud	(7) STATIC WATER LEVEL							
Reverse Rotary X Other SSA	Date SWL(psi) + SWL(ft)							
(4) CONSTRUCTION Piezometer Well	Existing Well / Predeepening							
Depth of Completed Well 25.00 ft. Special Standard	Completed Well  Flowing Artesian? Dry Hole?							
25,00 = 25.00	WATER BEARING ZONES  Prowing Artesian? Dry Hole?  Depth water was first found							
MONUMENT/VAULT	SWL Date From To Est Flow SWL(psi) + SWL(ft)							
FromTo	Tion To Estrict Street, Street							
BORE HOLE								
Diameter 3.75 From 0 To 25								
CASING	(8) WELL LOG Ground Elevation							
Dia. FromTo	Material From To							
Gauge Wld Thrd	concrete 0 2.5							
Material Steel Plastic	bentonite chips 2.5 25							
LINER								
DiaFromTo								
Gauge Wld Thrd								
Material Steel Plastic								
SEAL								
From To								
Material								
Amount Grout weight								
SCREEN								
Casing/Liner Material								
Diameter From To								
Slot Size								
	Date Started <u>10/19/2017</u> Completed <u>10/19/2017</u>							
FILTER	(unbonded) Monitor Well Constructor Certification							
From ToMaterial Size of pack	I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon monitoring well							
(5) WELL TESTS	construction standards. Materials used and information reported above are true to							
	the best of my knowledge and belief.							
Pump Bailer Air Flowing Artesian Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)	License Number 10663 Date 11/20/2017							
Tied garmin Bidwaown Bith stellar amp depth Burdator (iii)	Password : (if filing electronically)							
	Signed THOMAS TIPTON (E-filed)							
	(bonded) Monitor Well Constructor Certification  I accept responsibility for the construction, deepening, alteration, or abandonment							
Temperature °F Lab analysis Yes By	work performed on this well during the construction dates reported above. All							
Supervising Geologist/Engineer	work performed during this time is in compliance with Oregon monitoring well							
Water quality concerns? Yes (describe below) From To Description Amount Units	construction standards. This report is true to the best of my knowledge and belief.							
From To Description Amount Units	License Number 1537 Date 11/20/2017 Password: (if filing electronically)							
	Signed SCOTT FLAHERTY (E-filed)							
	Contact Info (optional) Scott Flaherty 503.985.7912							

#### STATE OF OREGON MONITORING WELL REPORT

(as required by ORS 537.765 & OAR 690-240-0395)

11/20/2017

WELL I.D. LABEL# L	96954
START CARD #	1036748

(1) LAND OWN	NER Owner Well I.D. MW-4	(6) LOCATION OF WELL (legal description)							
First Name	Last Name	County WASHINGTON Twp 1.00 S N/S Range 1.00 W E/W WM							
Company HUDSON	INVESTMENT COMPANY	Sec 26 SW 1/4 of the NW 1/4 Tax Lot 200							
Address PO BOX 19	9119	Tax Map Number Lot							
City PORTLAND	State OR Zip 97280	Lat ' or DMS or DD Long ' or DMS or DD							
(2) TYPE OF W		Long o ' or DMS or DD  Street address of well Nearest address							
Alteration (repair	r/recondition) X Abandonment	8628 SW HALL BLVD							
(3) DRILL MET	THOD	BEAVERTON, OR 97005							
	otary Mud Cable Hollow Stem Auger Cable Mud	(7) STATIC WATER LEVEL							
Reverse Rotary	X Other SSA	Date SWL(psi) + SWL(ft)							
(4) CONSTRUC	TION Piezometer Well	Existing Well / Predeepening							
Den	oth of Completed Well 25.00 ft. Special Standard	Completed Well  Flowing Artesian?  Dry Hole?							
Бер	25.00	WATER BEARING ZONES  Depth water was first found							
	MONUMENT/VAULT	SWL Date From To Est Flow SWL(psi) + SWL(ft)							
	From To								
	BORE HOLE								
	Diameter 3.75 From 0 To 25								
	CASING	(8) WELL LOG Ground Elevation							
	Dia. From To	Material From To							
	Gauge Wld Thrd	concrete 0 2.5							
	Material Steel Plastic	bentonite chips 2.5 25							
	LINER								
	Dia. From To								
	Gauge Wld Thrd  Material Steel Plastic								
	James								
	SEAL								
	From To								
	Material								
	Amount Grout weight								
	SCREEN								
	Casing/Liner Material								
	Diameter From To								
	Slot Size	Date Started 10/19/2017 Completed 10/19/2017							
	FILTER								
From To	Material Size of pack	(unbonded) Monitor Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or							
	·	abandonment of this well is in compliance with Oregon monitoring well							
(5) WELL TEST	CS	construction standards. Materials used and information reported above are true to the best of my knowledge and belief.							
Pump	Bailer Air Flowing Artesian	License Number 10663 Date 11/20/2017							
Yield gal/min	Drawdown Drill stem/Pump depth Duration (hr)	Password : (if filing electronically)							
		Signed THOMAS TIPTON (E-filed)							
		(bonded) Monitor Well Constructor Certification							
Temperature	°F Lab analysis Yes By	I accept responsibility for the construction, deepening, alteration, or abandonment							
Supervising Geologist	<del>_</del>	work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon monitoring well							
Water quality concern		construction standards. This report is true to the best of my knowledge and belief.							
From To		License Number 1537 Date 11/20/2017							
		Password : (if filing electronically)							
		Signed SCOTT FLAHERTY (E-filed) Contact Info (optional) Scott Flaherty 503.985.7912							
-	+ + +	Copulation (optional) Book Figure 303.703.7712							

# ATTACHMENT B Photograph Log





Photograph 1 – City of Beaverton sewer line adjacent to monitoring well MW-2.



Photograph 2 – Monitoring well MW-1 abandonment.





Photograph 3 – View of surface completion at monitoring well MW-1.



Photograph 4 – Air knifing with vacuum truck at MW-2.



# ATTACHMENT C IDW Laboratory Report and Disposal Documentation





# ANALYTICAL REPORT November 02, 2017



Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L946592 Samples Received: 10/26/2017

Project Number:

Description: Progress Cleaners Well Abandonment

Report To: Katie Robertson

2020 SW 4th, Suite 400

Portland, OR 97201

Entire Report Reviewed By:

Buar Ford

Brian Ford

Technical Service Representative Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
IDW-SOIL L946592-01	5
Qc: Quality Control Summary	7
Total Solids by Method 2540 G-2011	7
Volatile Organic Compounds (GC/MS) by Method 8260B	8
GI: Glossary of Terms	12
Al: Accreditations & Locations	13
Sc: Sample Chain of Custody	14





















			Collected by	Collected date/time	Received date/time
IDW-SOIL L946592-01 Solid			A. Chavez	10/25/17 14:00	10/26/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1037708	1	11/01/17 15:12	11/01/17 15:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1036523	1.02	10/25/17 14:00	10/28/17 04:03	DWR





















All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.





Ss











Brian Ford Technical Service Representative

Buar Ford

# SAMPLE RESULTS - 01

RDL (dry)

Dilution

Analysis

ONE LAB. NATIONWIDE.

Batch

Collected date/time: 10/25/17 14:00

Volatile Organic Compounds (GC/MS) by Method 8260B

Result (dry)

Qualifier

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	75.0		1	11/01/2017 15:13	WG1037708

MDL (dry)















Analyte		Suit (ury)	<u>rualillei</u>	MDL (uly)	KDL (uly)	Dilution	Alidiysis	Datcii
Aceylentitile         U         0.00243         0.0155         107         10.28/2017 0403         w01.085523           Bermelene         U         0.000366         0.00136         1.07         10.28/2017 0403         w01.08523           Bromodernene         U         0.000365         0.00136         1.02         10.28/2017 0403         w01.08523           Bromodernene         U         0.000376         0.00136         1.02         10.28/2017 0403         w01.08523           Bromodernane         U         0.00038         0.00080         1.02         10.28/2017 0403         w01.08523           Bromodernane         U         0.00038         0.00036         1.02         10.28/2017 0403         w01.08523           Bromodernane         U         0.00038         0.00136         1.02         10.28/2017 0403         w01.08523           sec-Rulybereree         U         0.000073         0.00136         1.02         10.28/2017 0403         w01.08523           Curbo etscrichidide         U         0.0000445         0.00036         1.02         10.28/2017 0403         w01.08523           Chlorodernane         U         0.000459         0.00036         1.02         10.28/2017 0403         w01.08523           Chlorode		J/kg		mg/kg	mg/kg		date / time	
Acytominie         U         0.0243         0.0356         1.07         10782007 6403         W0103553           Bernacher         U         0.000366         0.00136         1.02         10282007 6403         M030553           Bomoberszene         U         0.000366         0.00136         1.02         10282007 6403         M0305523           Bomodorfina         U         0.000375         0.00186         1.02         10282007 6403         M0305523           Bromondorfina         U         0.000350         0.00186         1.02         10282007 6403         M0305523           Bromondorfina         U         0.000350         0.00186         1.02         10282007 6403         M0305523           Bromondorfina         U         0.000350         0.00186         1.02         10282007 6403         M0305523           Bromondorfina         U         0.000280         0.00186         1.02         10282007 6403         M0305523           Carbon distilide         0.000607         J         0.000380         0.00186         1.02         10282007 6403         M0305523           Carbon distilide         0.000607         J         0.000280         0.00186         1.02         10282007 6403         M03035523		)161 <u>J</u>		0.0136	0.0680	1.02	10/28/2017 04:03	WG1036523
Bonnebrance	le	_		0.00243	0.0136	1.02	10/28/2017 04:03	WG1036523
Bromodichloromethane				0.000366	0.00136	1.02	10/28/2017 04:03	WG1036523
Bromorchine	izene		(	0.000386	0.00136	1.02	10/28/2017 04:03	WG1036523
Permamethane	nloromethane			0.000345	0.00136	1.02	10/28/2017 04:03	WG1036523
n-Butybenzene U 0.000350 0.0036 102 10/28/2017 04.03 WG1036522 see-Butybenzene U 0.000273 0.0036 102 10/28/2017 04.03 WG1036522 Carbon disulfate 0.000607	n		(	0.000576	0.00136	1.02	10/28/2017 04:03	WG1036523
sec-Bulylbentzene         U         0.000273         0.00166         1.02         10/28/2017 0-0.03         WC003652           Letra Bulybentzene         U         0.000280         0.00166         1.02         10/28/2017 0-0.03         WC0036522           Curbon disulfide         0.000667         J         0.000445         0.00166         1.02         10/28/2017 0-0.03         WC0036522           Chlorochenee         0.000617         J         0.000445         0.00166         1.02         10/28/2017 0-0.03         WC0036522           Chlorochanee         U         0.000550         0.00166         1.02         10/28/2017 0-0.03         WC0036522           Chlorochanee         U         0.00079         0.00680         1.02         10/28/2017 0-0.03         WC0036522           Chlorochanee         U         0.00079         0.00880         1.02         10/28/2017 0-0.03         WC0036522           Chlorochanee         U         0.000409         0.0036         1.02         10/28/2017 0-0.03         WC0036522           2-Chlorochalene         U         0.000326         0.0036         1.02         10/28/2017 0-0.03         WC0036522           2-Dibromomethane         U         0.000326         0.00366         1.02         10/28	thane		(	0.00183	0.00680	1.02	10/28/2017 04:03	WG1036523
tert Butylbenzene         U         0,000280         0,00136         102         10/28/2017 0403         WC1036522           Carbon disullide         0         0,000303         0,00136         102         10/28/2017 0403         WC1036522           Chlorobenterne         0,000617         J         0,000248         0,00136         102         10/28/2017 0403         WC1036522           Chlorochrane         0         0,00056         0,00136         102         10/28/2017 0403         WC1036522           Chlorochrane         U         0,00079         0,00680         102         10/28/2017 0403         WC1036522           Chlorochrane         U         0,000199         0,00340         102         10/28/2017 0403         WC1036522           Chlorochlorine         U         0,000399         0,00136         102         10/28/2017 0403         WC1036522           2-Chlorochlorine         U         0,000390         0,00136         102         10/28/2017 0403         WC1036522           2-Chlorochlorine         U         0,000366         0,00136         102         10/28/2017 0403         WC1036522           2-Chlorochlorine         U         0,000346         0,00136         102         10/28/2017 0403         WC1036522     <	ızene		(	0.000350	0.00136	1.02	10/28/2017 04:03	WG1036523
Carbon disulfide         0,000607         J         0,000300         0,00136         102         10282017 0403         WG1036522           Carbon tetrachloride         U         0,000445         0,00136         102         10282017 0403         WG1036522           Chlorodhizomomethane         U         0,000288         0,00136         102         10282017 0403         WG1036522           Chlorodhizomomethane         U         0,000312         0,000381         102         10282017 0403         WG1036522           Chlorodhizomomethane         U         0,000312         0,000312         10282017 0403         WG1036522           Chlorodhizomomethane         U         0,000312         0,000314         102         10282017 0403         WG1036522           Chlorodhizome         U         0,000316         0,00136         102         10282017 0403         WG1036522           C-Chlorodhizome         U         0,000326         0,00136         102         10282017 0403         WG1036522           L-Dibromomethane         U         0,000326         0,00136         102         10282017 0403         WG1036522           L-Dichloroberzene         U         0,000326         0,00136         102         10282017 0403         WG1036522	enzene		(	0.000273	0.00136	1.02	10/28/2017 04:03	WG1036523
Carbon tetrachloride         U         0.000445         0.00136         1.02         10/28/2017 04/03         W61036522           Chloroberrane         0.000677         J         0.000288         0.00136         1.02         10/28/2017 04/03         W61036523           Chlorocethane         U         0.000360         0.00136         1.02         10/28/2017 04/03         W61036523           Chlorocethane         U         0.000379         0.00680         1.02         10/28/2017 04/03         W61036523           Chloroform         U         0.000509         0.00360         1.02         10/28/2017 04/03         W61036522           Chlorofolune         U         0.000509         0.00366         1.02         10/28/2017 04/03         W61036522           2-Chlorofolune         U         0.000326         0.00136         1.02         10/28/2017 04/03         W61036522           2-Chlorofolune         U         0.000336         0.0036         1.02         10/28/2017 04/03         W61036522           2-Chloroforbare         U         0.000336         0.00136         1.02         10/28/2017 04/03         W61036523           1-2-Dichlorocherane         U         0.000360         0.00136         1.02         10/28/2017 04/03         W	enzene		(	0.000280	0.00136	1.02	10/28/2017 04:03	WG1036523
Carbon tetrachoride         U         0,000445         0,00136         1.02         10/28/20/T 0403         WG1036522           Chlorochezcee         0,000670         J         0,000288         0,00136         1.02         10/28/20/T 0403         WG1036522           Chlorochane         U         0,00079         0,00680         1.02         10/28/20/T 0403         WG1036522           Chlorochane         U         0,000312         0,00680         1.02         10/28/20/T 0403         WG1036522           Chlorochane         U         0,000312         0,00680         1.02         10/28/20/T 0403         WG1036522           Chlorochalene         U         0,000499         0,00136         1.02         10/28/20/T 0403         WG1036522           Chlorochalene         U         0,00036         0,00136         1.02         10/28/20/T 0403         WG1036522           L2-Dibromo-3-Chloropropane         U         0,00036         0,0016         1.02         10/28/20/T 0403         WG1036522           L2-Dibromo-3-Chloropropane         U         0,000446         0,00136         1.02         10/28/20/T 0403         WG1036522           L2-Dibromo-3-Chloropropane         U         0,000520         0,00136         1.02         10/28/20/T 0403	sulfide	)00607 <u>J</u>		0.000300	0.00136	1.02	10/28/2017 04:03	WG1036523
Chlorodibromomethane         U         0,000506         0,00136         1,02         10/28/2017 04.03         MS1036523           Chlorochane         U         0,00079         0,00680         1,02         10/28/2017 04.03         MS1036523           Chlorodmethane         U         0,000312         0,00680         1,02         10/28/2017 04.03         MS1036523           2-Chlorodulene         U         0,000320         0,00316         1,02         10/28/2017 04.03         MS1036523           2-Chlorodulene         U         0,00032         0,00136         1,02         10/28/2017 04.03         MS1036523           12-Dibromo-Schloropropane         U         0,00043         0,00680         1,02         10/28/2017 04.03         MS1036523           12-Dibromo-Schloropropane         U         0,00043         0,00680         1,02         10/28/2017 04.03         MS1036523           12-Dibromomethane         U         0,00044         0,0136         1,02         10/28/2017 04.03         MS1036523           12-Dichlorodenzene         U         0,00044         0,0136         1,02         10/28/2017 04.03         MS1036523           13-Dichlorodenzene         U         0,000325         0,0136         1,02         10/28/2017 04.03         MS	trachloride			0.000445	0.00136	1.02	10/28/2017 04:03	WG1036523
Chlorodithoromethane U 0,000506 0,00136 1,02 10282017 0403 WG1036523 Chlorocethane U 0,000312 0,00680 1,02 10282017 0403 WG1036523 Chloromethane U 0,000509 0,00340 1,02 10282017 0403 WG1036523 2-Chlorothuene U 0,000509 0,00340 1,02 10282017 0403 WG1036523 2-Chlorothuene U 0,000409 0,0036 1,02 10282017 0403 WG1036523 2-Chloromethane U 0,000409 0,0036 1,02 10282017 0403 WG1036523 1,2-Dibromo-3-Chloropropane U 0,000413 0,00680 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000466 0,0036 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000466 0,0036 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000467 0,00366 0,0036 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000440 0,00366 0,0036 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000440 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000325 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000325 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000326 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000326 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000326 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000369 0,00368 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000360 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000417 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000417 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000418 0,00366 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000418 0,00366 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000418 0,00366 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000418 0,00366 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U 0,000418 0,00366 0,00366 1,02 10282017 0403 WG1036523 1,2-Dibromoethane U	izene	000617 <u>J</u>		0.000288	0.00136	1.02	10/28/2017 04:03	WG1036523
Chloroform         U         0,000312         0,00680         1,02         1028/2017 04:03         WG1036523           Chloromethane         U         0,000509         0,00340         1,02         10/28/2017 04:03         WG1036523           4-Chlorofoluene         U         0,000326         0,00136         1,02         10/28/2017 04:03         WG1036523           1-2-Dibromos-3-Chloropropane         U         0,000326         0,00136         1,02         10/28/2017 04:03         WG1036523           1,2-Dibromos-3-Chloropropane         U         0,00046         0,00136         1,02         10/28/2017 04:03         WG1036523           1,2-Dibromos-1-Chloroperane         U         0,000444         0,00136         1,02         10/28/2017 04:03         WG1036523           1,2-Dichlorobenzene         U         0,000325         0,00136         1,02         10/28/2017 04:03         WG1036523           1,3-Dichlorobenzene         U         0,000325         0,00136         1,02         10/28/2017 04:03         WG1036523           1,3-Dichlorobenzene         U         0,000325         0,00136         1,02         10/28/2017 04:03         WG1036523           1,3-Dichlorobenzene         U         0,0000325         0,00136         1,02         10/28/2	romomethane			0.000506	0.00136	1.02	10/28/2017 04:03	WG1036523
Chloromethane U 0.000509 0.00340 1.02 10/28/2017 04:03 WG1036523 2-Chlorofoluene U 0.000409 0.00136 1.02 10/28/2017 04:03 WG1036523 1.2-Dibromos-Chloropropane U 0.00036 0.00136 1.02 10/28/2017 04:03 WG1036523 1.2-Dibromos-Chloropropane U 0.00046 0.00136 1.02 10/28/2017 04:03 WG1036523 1.2-Dibromoethane U 0.00046 0.00136 1.02 10/28/2017 04:03 WG1036523 1.2-Dibromoethane U 0.00046 0.00136 1.02 10/28/2017 04:03 WG1036523 1.2-Dibromoethane U 0.000520 0.00136 1.02 10/28/2017 04:03 WG1036523 1.2-Dibromoethane U 0.000044 0.00136 1.02 10/28/2017 04:03 WG1036523 1.3-Dichlorobenzene U 0.000044 0.00136 1.02 10/28/2017 04:03 WG1036523 1.3-Dichlorobenzene U 0.0000325 0.00136 1.02 10/28/2017 04:03 WG1036523 1.3-Dichlorobenzene U 0.0000325 0.00136 1.02 10/28/2017 04:03 WG1036523 1.3-Dichlorobenzene U 0.000036 0.00136 1.02 10/28/2017 04:03 WG1036523 1.3-Dichloropropane U 0.000037 0.00036 0.00136 1.02 10/28/2017 04:03 WG1036523 1.3-Dichloropropane U 0.000037 0.00036 0.00136 1.02 10/28/2017 04:03 WG1036523 1.3-Dichloropropane U 0.000037 0.00038 0.00136 1.02 10/28/2017 04:03 WG1036523 1.3-Dichloropropane U 0.000037 0.00038 0.00136 1.02 10/28/2017 04:03 WG1036523 1.3-Dichloropropane U 0.000038 0.00036 1.02 10/28/2017 04:03 WG1036523 1.3-Dichloropropane U 0.000038 0	ane		(	0.00129	0.00680	1.02	10/28/2017 04:03	WG1036523
2-Chlorotoluene         U         0.000409         0.00136         1.02         10/28/2017 04-03         WG1036523           4-Chlorotoluene         U         0.000326         0.00136         1.02         10/28/2017 04-03         WG1036523           1.2-Dibromoethane         U         0.00046         0.00136         1.02         10/28/2017 04-03         WG1036523           1.2-Dibromoethane         U         0.000466         0.00136         1.02         10/28/2017 04-03         WG1036523           1.2-Dichlorobenzene         U         0.000464         0.00136         1.02         10/28/2017 04-03         WG1036523           1.2-Dichlorobenzene         U         0.000325         0.00136         1.02         10/28/2017 04-03         WG1036523           1.4-Dichlorobenzene         U         0.000325         0.00136         1.02         10/28/2017 04-03         WG1036523           1.4-Dichlorobenzene         U         0.000360         0.00136         1.02         10/28/2017 04-03         WG1036523           1.4-Dichlorobenzene         U         0.000360         0.00136         1.02         10/28/2017 04-03         WG1036523           1.2-Dichlorobenzene         U         0.000360         0.00136         1.02         10/28/2017 04-03	n		(	0.000312	0.00680	1.02	10/28/2017 04:03	WG1036523
4-Chlorotoluene U 0,000326 0,00136 1,02 10/28/2017 04.03 WG1036523 1,2-Dibromo-3-Chloropropane U 0,00043 0,000880 1,02 10/28/2017 04.03 WG1036523 1,2-Dibromoethane U 0,000520 0,00136 1,02 10/28/2017 04.03 WG1036523 1,2-Dichlorobenzene U 0,000520 0,00136 1,02 10/28/2017 04.03 WG1036523 1,2-Dichlorobenzene U 0,000414 0,00136 1,02 10/28/2017 04.03 WG1036523 1,3-Dichlorobenzene U 0,000325 0,00136 1,02 10/28/2017 04.03 WG1036523 1,3-Dichlorobenzene U 0,000326 0,00136 1,02 10/28/2017 04.03 WG1036523 1,1-Dichloroethane U 0,000360 0,00136 1,02 10/28/2017 04.03 WG1036523 1,1-Dichloroethane U 0,000370 0,00136 1,02 10/28/2017 04.03 WG1036523 1,1-Dichloroethane U 0,000370 0,00136 1,02 10/28/2017 04.03 WG1036523 1,1-Dichloroptopane U 0,000380 0,00136 1,02 10/28/2017 04.03	hane			0.000509	0.00340	1.02	10/28/2017 04:03	WG1036523
1,2-Dibromoc-3-Chloropropane         U         0.00143         0.00680         1.02         10/28/2017 04:03         WG1036523           1,2-Dibromoethane         U         0.000466         0.00136         1.02         10/28/2017 04:03         WG1036523           1,2-Dibromoethane         U         0.000520         0.00136         1.02         10/28/2017 04:03         WG1036523           1,2-Dichlorobenzene         U         0.000414         0.00136         1.02         10/28/2017 04:03         WG1036523           1,3-Dichlorobenzene         U         0.000325         0.00136         1.02         10/28/2017 04:03         WG1036523           1,4-Dichlorobenzene         U         0.000366         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloroethane         U         0.000320         0.00136         1.02         10/28/2017 04:03         WG1036523           1,2-Dichloroethane         U         0.000320         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloroethane         U         0.000412         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloroethane         U         0.000320         0.00136         1.02         10/28/2017 04	oluene		(	0.000409	0.00136	1.02	10/28/2017 04:03	WG1036523
1.2-Dibromoethane         U         0.000466         0.00136         1.02         10/28/2017 04:03         WGI036523           Dibromomethane         U         0.000520         0.00136         1.02         10/28/2017 04:03         WGI036523           1.2-Dichlorobenzene         U         0.000325         0.00136         1.02         10/28/2017 04:03         WGI036523           1.4-Dichlorobenzene         U         0.000325         0.00136         1.02         10/28/2017 04:03         WGI036523           1.4-Dichlorobenzene         U         0.000326         0.00136         1.02         10/28/2017 04:03         WGI036523           1.4-Dichlorobenzene         U         0.000360         0.00136         1.02         10/28/2017 04:03         WGI036523           1.1-Dichlorobenzene         U         0.000370         0.00136         1.02         10/28/2017 04:03         WGI036523           1.1-Dichlorobentene         U         0.000380         0.00136         1.02         10/28/2017 04:03         WGI036523           1.1-Dichlorobentene         U         0.000320         0.00136         1.02         10/28/2017 04:03         WGI036523           1.1-Dichlorobentene         U         0.000328         0.00136         1.02         10/28/2017 04:03 <td>luene</td> <td></td> <td>(</td> <td>0.000326</td> <td>0.00136</td> <td>1.02</td> <td>10/28/2017 04:03</td> <td>WG1036523</td>	luene		(	0.000326	0.00136	1.02	10/28/2017 04:03	WG1036523
Dibromomethane	10-3-Chloropropane		(	0.00143	0.00680	1.02	10/28/2017 04:03	WG1036523
1.2-Dichlorobenzene         U         0.000414         0.00136         1.02         10/28/2017 04:03         WG1036523           1.3-Dichlorobenzene         U         0.000325         0.00136         1.02         10/28/2017 04:03         WG1036523           1.4-Dichlorobenzene         U         0.00036         0.0016         1.02         10/28/2017 04:03         WG1036523           1.1-Dichloroethane         U         0.000959         0.00680         1.02         10/28/2017 04:03         WG1036523           1.1-Dichloroethane         U         0.000371         0.00136         1.02         10/28/2017 04:03         WG1036523           1.1-Dichloroethane         U         0.000360         0.00136         1.02         10/28/2017 04:03         WG1036523           1.1-Dichloroethene         U         0.000412         0.00136         1.02         10/28/2017 04:03         WG1036523           1.1-Dichloroethene         U         0.000320         0.00136         1.02         10/28/2017 04:03         WG1036523           1.2-Dichloropropane         U         0.000388         0.00136         1.02         10/28/2017 04:03         WG1036523           1.2-Dichloropropane         U         0.000486         0.00136         1.02         10/28/2017 04:03 <td>noethane</td> <td></td> <td>(</td> <td>0.000466</td> <td>0.00136</td> <td>1.02</td> <td>10/28/2017 04:03</td> <td>WG1036523</td>	noethane		(	0.000466	0.00136	1.02	10/28/2017 04:03	WG1036523
1,3-Dichlorobenzene U 0,000325 0,00136 1.02 10/28/2017 04:03 WG1036523 1,4-Dichlorobenzene U 0,000306 0,00136 1.02 10/28/2017 04:03 WG1036523 Dichlorodfluoromethane U 0,000969 0,00680 1.02 10/28/2017 04:03 WG1036523 1,1-Dichloroethane U 0,000271 0,00136 1.02 10/28/2017 04:03 WG1036523 1,1-Dichloroethane U 0,000360 0,00136 1.02 10/28/2017 04:03 WG1036523 1,1-Dichloroethane 0,0227 0,000320 0,00136 1.02 10/28/2017 04:03 WG1036523 1,1-Dichloroethane 0,00116	iethane		(	0.000520	0.00136	1.02	10/28/2017 04:03	WG1036523
1.4-Dichlorobenzene         U         0.000306         0.00136         1.02         10/28/2017 04:03         WG1036523           1.1-Dichlorodifluoromethane         U         0.000969         0.00680         1.02         10/28/2017 04:03         WG1036523           1.1-Dichlorocethane         U         0.000371         0.00136         1.02         10/28/2017 04:03         WG1036523           1.2-Dichloroethane         U         0.000360         0.00136         1.02         10/28/2017 04:03         WG1036523           1.1-Dichloroethane         U         0.000412         0.00136         1.02         10/28/2017 04:03         WG1036523           1.1-Dichloroethane         0.227         0.000320         0.00136         1.02         10/28/2017 04:03         WG1036523           1.2-Dichloropropane         U         0.000486         0.00136         1.02         10/28/2017 04:03         WG1036523           1.1-Dichloropropane         U         0.000486         0.00136         1.02         10/28/2017 04:03         WG1036523           1.1-Dichloropropane         U         0.000440         0.00136         1.02         10/28/2017 04:03         WG1036523           1.3-Dichloropropane         U         0.000378         0.00136         1.02         10/2	obenzene		(	0.000414	0.00136	1.02	10/28/2017 04:03	WG1036523
Dichlorodifluoromethane	obenzene		(	0.000325	0.00136	1.02	10/28/2017 04:03	WG1036523
1,1-Dichloroethane         U         0.000271         0.00136         1.02         10/28/2017 04:03         WG1036523           1,2-Dichloroethane         U         0.000360         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloroethene         U         0.000412         0.00136         1.02         10/28/2017 04:03         WG1036523           cis-1,2-Dichloroethene         0.227         0.000320         0.00136         1.02         10/28/2017 04:03         WG1036523           trans-1,2-Dichloroptopane         U         0.000486         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloropropane         U         0.000486         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloropropane         U         0.000486         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloropropane         U         0.000281         0.00136         1.02         10/28/2017 04:03         WG1036523           1,3-Dichloropropane         U         0.000356         0.00136         1.02         10/28/2017 04:03         WG1036523           1-2,2-Dichloropropane         U         0.000378         0.00136         1.02         1	obenzene		(	0.000306	0.00136	1.02	10/28/2017 04:03	WG1036523
1,2-Dichloroethane         U         0.000360         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloroethene         U         0.000412         0.00136         1.02         10/28/2017 04:03         WG1036523           cis-1,2-Dichloroethene         0.227         0.000320         0.00136         1.02         10/28/2017 04:03         WG1036523           trans-1,2-Dichloroethene         0.00116         J         0.000358         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloropropane         U         0.000486         0.00136         1.02         10/28/2017 04:03         WG1036523           1,3-Dichloropropane         U         0.000430         0.00136         1.02         10/28/2017 04:03         WG1036523           1,3-Dichloropropane         U         0.000481         0.00136         1.02         10/28/2017 04:03         WG1036523           cis-1,3-Dichloropropane         U         0.000356         0.00136         1.02         10/28/2017 04:03         WG1036523           trans-1,3-Dichloropropane         U         0.000378         0.00136         1.02         10/28/2017 04:03         WG1036523           Di-sopropyle ther         U         0.000378         0.00136	fluoromethane		(	0.000969	0.00680	1.02	10/28/2017 04:03	WG1036523
1,1-Dichloroethene         U         0.000412         0.00136         1.02         10/28/2017 04:03         WG1036523           cis-1,2-Dichloroethene         0.227         0.000320         0.00136         1.02         10/28/2017 04:03         WG1036523           trans-1,2-Dichloroethene         0.00116         J         0.000358         0.00136         1.02         10/28/2017 04:03         WG1036523           1,2-Dichloropropane         U         0.000486         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloropropene         U         0.000430         0.00136         1.02         10/28/2017 04:03         WG1036523           1,3-Dichloropropene         U         0.000281         0.00136         1.02         10/28/2017 04:03         WG1036523           1,3-Dichloropropene         U         0.000356         0.00136         1.02         10/28/2017 04:03         WG1036523           1,3-Dichloropropene         U         0.000362         0.00136         1.02         10/28/2017 04:03         WG1036523           2,2-Dichloropropane         U         0.000378         0.00136         1.02         10/28/2017 04:03         WG1036523           Ethylbenzene         U         0.000378         0.00136         1.02 </td <td>oethane</td> <td></td> <td>(</td> <td>0.000271</td> <td>0.00136</td> <td>1.02</td> <td>10/28/2017 04:03</td> <td>WG1036523</td>	oethane		(	0.000271	0.00136	1.02	10/28/2017 04:03	WG1036523
cis-1,2-Dichloroethene         0.227         0.000320         0.00136         1.02         10/28/2017 04:03         WG1036523           trans-1,2-Dichloroethene         0.00116         J         0.000358         0.00136         1.02         10/28/2017 04:03         WG1036523           1,2-Dichloropropane         U         0.000486         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloropropane         U         0.000430         0.00136         1.02         10/28/2017 04:03         WG1036523           1,3-Dichloropropane         U         0.000356         0.00136         1.02         10/28/2017 04:03         WG1036523           2 cis-1,3-Dichloropropane         U         0.000356         0.00136         1.02         10/28/2017 04:03         WG1036523           2 cis-1,3-Dichloropropane         U         0.000356         0.00136         1.02         10/28/2017 04:03         WG1036523           2 cis-1,3-Dichloropropane         U         0.000378         0.00136         1.02         10/28/2017 04:03         WG1036523           2 cis-1,3-Dichloropropane         U         0.000337         0.00136         1.02         10/28/2017 04:03         WG1036523           Ethylbenzene         U         0.000440         0.0013	roethane		(	0.000360	0.00136	1.02	10/28/2017 04:03	WG1036523
trans-1,2-Dichloroethene 0.00116 J 0.000358 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000486 0.00136 1.02 10/28/2017 04:03 WG1036523 1,1-Dichloropropane U 0.000430 0.00136 1.02 10/28/2017 04:03 WG1036523 1,3-Dichloropropane U 0.000281 0.00136 1.02 10/28/2017 04:03 WG1036523 1,3-Dichloropropane U 0.000356 0.00136 1.02 10/28/2017 04:03 WG1036523 1,3-Dichloropropane U 0.000356 0.00136 1.02 10/28/2017 04:03 WG1036523 1,3-Dichloropropane U 0.000356 0.00136 1.02 10/28/2017 04:03 WG1036523 1,3-Dichloropropane U 0.000378 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000378 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000378 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000337 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000465 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000465 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000330 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000330 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000378 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000388 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000288 0.00136 1.02 10/28/2017 04:03 WG1036523 1,2-Dichloropropane U 0.000280 0.00136 1.02 1	oethene		(	0.000412	0.00136	1.02	10/28/2017 04:03	WG1036523
1,2-Dichloropropane         U         0.000486         0.00136         1.02         10/28/2017 04:03         WG1036523           1,1-Dichloropropene         U         0.000430         0.00136         1.02         10/28/2017 04:03         WG1036523           1,3-Dichloropropane         U         0.000281         0.00136         1.02         10/28/2017 04:03         WG1036523           cis-1,3-Dichloropropene         U         0.000356         0.00136         1.02         10/28/2017 04:03         WG1036523           2,2-Dichloropropene         U         0.000362         0.00136         1.02         10/28/2017 04:03         WG1036523           2,2-Dichloropropane         U         0.000378         0.00136         1.02         10/28/2017 04:03         WG1036523           2,2-Dichloropropane         U         0.000337         0.00136         1.02         10/28/2017 04:03         WG1036523           Ethylbenzene         U         0.000444         0.00136         1.02         10/28/2017 04:03         WG1036523           Isopropylbenzene         U         0.000465         0.00136         1.02         10/28/2017 04:03         WG1036523           P-Isopropyltoluene         U         0.000277         0.00136         1.02         10/28/2017 04:03 <td>hloroethene</td> <td>227</td> <td>(</td> <td>0.000320</td> <td>0.00136</td> <td>1.02</td> <td>10/28/2017 04:03</td> <td>WG1036523</td>	hloroethene	227	(	0.000320	0.00136	1.02	10/28/2017 04:03	WG1036523
1,2-Dichloropropane       U       0.000486       0.00136       1.02       10/28/2017 04:03       WG1036523         1,1-Dichloropropene       U       0.000430       0.00136       1.02       10/28/2017 04:03       WG1036523         1,3-Dichloropropane       U       0.000356       0.00136       1.02       10/28/2017 04:03       WG1036523         cis-1,3-Dichloropropene       U       0.000356       0.00136       1.02       10/28/2017 04:03       WG1036523         trans-1,3-Dichloropropene       U       0.000362       0.00136       1.02       10/28/2017 04:03       WG1036523         2,2-Dichloropropane       U       0.000378       0.00136       1.02       10/28/2017 04:03       WG1036523         Ethylbenzene       U       0.000337       0.00136       1.02       10/28/2017 04:03       WG1036523         Ethylbenzene       U       0.000404       0.00136       1.02       10/28/2017 04:03       WG1036523         Isopropylbenzene       U       0.000404       0.00136       1.02       10/28/2017 04:03       WG1036523         Isopropylbelnzene       U       0.000330       0.00136       1.02       10/28/2017 04:03       WG1036523         P-Isopropylbelnzene       U       0.000237 <t< td=""><td>Dichloroethene</td><td>)0116 <u>J</u></td><td></td><td>0.000358</td><td>0.00136</td><td>1.02</td><td>10/28/2017 04:03</td><td>WG1036523</td></t<>	Dichloroethene	)0116 <u>J</u>		0.000358	0.00136	1.02	10/28/2017 04:03	WG1036523
1,3-Dichloropropane         U         0.000281         0.00136         1.02         10/28/2017 04:03         WG1036523           cis-1,3-Dichloropropene         U         0.000356         0.00136         1.02         10/28/2017 04:03         WG1036523           trans-1,3-Dichloropropene         U         0.000362         0.00136         1.02         10/28/2017 04:03         WG1036523           2,2-Dichloropropane         U         0.000378         0.00136         1.02         10/28/2017 04:03         WG1036523           Di-isopropyl ether         U         0.000337         0.00136         1.02         10/28/2017 04:03         WG1036523           Ethylbenzene         U         0.000404         0.00136         1.02         10/28/2017 04:03         WG1036523           Isopropylbenzene         U         0.000465         0.00136         1.02         10/28/2017 04:03         WG1036523           P-Isopropylbenzene         U         0.000330         0.00136         1.02         10/28/2017 04:03         WG1036523           P-Butanone (MEK)         U         0.000277         0.00136         1.02         10/28/2017 04:03         WG1036523           Methyl-2-pentanone (MIBK)         U         0.00136         0.00680         1.02         10/28/2017 04	opropane			0.000486	0.00136	1.02	10/28/2017 04:03	WG1036523
cis-1,3-Dichloropropene         U         0.000356         0.00136         1.02         10/28/2017 04:03         WG1036523           trans-1,3-Dichloropropene         U         0.000362         0.00136         1.02         10/28/2017 04:03         WG1036523           2,2-Dichloropropane         U         0.000378         0.00136         1.02         10/28/2017 04:03         WG1036523           Di-isopropyl ether         U         0.000337         0.00136         1.02         10/28/2017 04:03         WG1036523           Ethylbenzene         U         0.000404         0.00136         1.02         10/28/2017 04:03         WG1036523           Hexachloro-1,3-butadiene         U         0.000465         0.00136         1.02         10/28/2017 04:03         WG1036523           Isopropylbenzene         U         0.000330         0.00136         1.02         10/28/2017 04:03         WG1036523           P-Isopropyltoluene         U         0.000277         0.00136         1.02         10/28/2017 04:03         WG1036523           2-Butanone (MEK)         U         0.00636         0.0136         1.02         10/28/2017 04:03         WG1036523           4-Methyl-2-pentanone (MIBK)         U         0.00136         0.00680         1.02         10/28/20	opropene			0.000430	0.00136	1.02	10/28/2017 04:03	WG1036523
trans-1,3-Dichloropropene         U         0.000362         0.00136         1.02         10/28/2017 04:03         WG1036523           2,2-Dichloropropane         U         0.000378         0.00136         1.02         10/28/2017 04:03         WG1036523           Di-isopropyl ether         U         0.000337         0.00136         1.02         10/28/2017 04:03         WG1036523           Ethylbenzene         U         0.000404         0.00136         1.02         10/28/2017 04:03         WG1036523           Hexachloro-1,3-butadiene         U         0.000465         0.00136         1.02         10/28/2017 04:03         WG1036523           Isopropylbenzene         U         0.000330         0.00136         1.02         10/28/2017 04:03         WG1036523           p-Isopropyltoluene         U         0.000277         0.00136         1.02         10/28/2017 04:03         WG1036523           2-Butanone (MEK)         U         0.00636         0.0136         1.02         10/28/2017 04:03         WG1036523           4-Methyl-2-pentanone (MIBK)         U         0.00136         0.00680         1.02         10/28/2017 04:03         WG1036523           Methyl tert-butyl ether         U         0.000286         0.00136         1.02         10/28/20	opropane		(	0.000281	0.00136	1.02	10/28/2017 04:03	WG1036523
2,2-Dichloropropane       U       0.000378       0.00136       1.02       10/28/2017 04:03       WG1036523         Di-isopropyl ether       U       0.000337       0.00136       1.02       10/28/2017 04:03       WG1036523         Ethylbenzene       U       0.000404       0.00136       1.02       10/28/2017 04:03       WG1036523         Hexachloro-1,3-butadiene       U       0.000465       0.00136       1.02       10/28/2017 04:03       WG1036523         Isopropylbenzene       U       0.000330       0.00136       1.02       10/28/2017 04:03       WG1036523         p-Isopropyltoluene       U       0.000277       0.00136       1.02       10/28/2017 04:03       WG1036523         2-Butanone (MEK)       U       0.00136       0.0136       1.02       10/28/2017 04:03       WG1036523         Methylene Chloride       U       0.00136       0.00680       1.02       10/28/2017 04:03       WG1036523         4-Methyl-2-pentanone (MIBK)       U       0.00256       0.0136       1.02       10/28/2017 04:03       WG1036523         Naphthalene       U       0.000288       0.00136       1.02       10/28/2017 04:03       WG1036523         Styrene       U       0.000318       0.00136	hloropropene		(	0.000356	0.00136	1.02	10/28/2017 04:03	WG1036523
Di-isopropyl ether         U         0.000337         0.00136         1.02         10/28/2017 04:03         WG1036523           Ethylbenzene         U         0.000404         0.00136         1.02         10/28/2017 04:03         WG1036523           Hexachloro-1,3-butadiene         U         0.000465         0.00136         1.02         10/28/2017 04:03         WG1036523           Isopropylbenzene         U         0.000330         0.00136         1.02         10/28/2017 04:03         WG1036523           p-Isopropyltoluene         U         0.000277         0.00136         1.02         10/28/2017 04:03         WG1036523           2-Butanone (MEK)         U         0.00636         0.0136         1.02         10/28/2017 04:03         WG1036523           Methylene Chloride         U         0.00136         0.00680         1.02         10/28/2017 04:03         WG1036523           4-Methyl-2-pentanone (MIBK)         U         0.00256         0.0136         1.02         10/28/2017 04:03         WG1036523           Methyl tert-butyl ether         U         0.000288         0.00136         1.02         10/28/2017 04:03         WG1036523           Naphtthalene         U         0.000280         0.00136         1.02         10/28/2017 04:03	ichloropropene		(	0.000362	0.00136	1.02	10/28/2017 04:03	WG1036523
Ethylbenzene         U         0.000404         0.00136         1.02         10/28/2017 04:03         WG1036523           Hexachloro-1,3-butadiene         U         0.000465         0.00136         1.02         10/28/2017 04:03         WG1036523           Isopropylbenzene         U         0.000330         0.00136         1.02         10/28/2017 04:03         WG1036523           p-Isopropyltoluene         U         0.000277         0.00136         1.02         10/28/2017 04:03         WG1036523           2-Butanone (MEK)         U         0.00636         0.0136         1.02         10/28/2017 04:03         WG1036523           Methylene Chloride         U         0.00136         0.00680         1.02         10/28/2017 04:03         WG1036523           4-Methyl-2-pentanone (MIBK)         U         0.00256         0.0136         1.02         10/28/2017 04:03         WG1036523           Methyl tert-butyl ether         U         0.000288         0.00136         1.02         10/28/2017 04:03         WG1036523           Naphthalene         U         0.00136         0.00680         1.02         10/28/2017 04:03         WG1036523           Styrene         U         0.000318         0.00136         1.02         10/28/2017 04:03         WG1	ropropane			0.000378	0.00136	1.02	10/28/2017 04:03	WG1036523
Hexachloro-1,3-butadiene U 0.000465 0.00136 1.02 10/28/2017 04:03 WG1036523 lsopropylbenzene U 0.000330 0.00136 1.02 10/28/2017 04:03 WG1036523 p-lsopropyltoluene U 0.000277 0.00136 1.02 10/28/2017 04:03 WG1036523 2-Butanone (MEK) U 0.00636 0.0136 1.02 10/28/2017 04:03 WG1036523 Methylene Chloride U 0.00136 0.00680 1.02 10/28/2017 04:03 WG1036523 4-Methyl-2-pentanone (MIBK) U 0.00256 0.0136 1.02 10/28/2017 04:03 WG1036523 Methyl tert-butyl ether U 0.000288 0.00136 1.02 10/28/2017 04:03 WG1036523 Naphthalene U 0.00136 0.00680 1.02 10/28/2017 04:03 WG1036523 n-Propylbenzene U 0.000280 0.00136 1.02 10/28/2017 04:03 WG1036523 Styrene U 0.000318 0.00136 1.02 10/28/2017 04:03 WG1036523 NG1036523 NG10365	yl ether		(	0.000337	0.00136	1.02	10/28/2017 04:03	WG1036523
Sopropylbenzene   U   0.000330   0.00136   1.02   10/28/2017 04:03   WG1036523	ene		(	0.000404	0.00136	1.02	10/28/2017 04:03	WG1036523
p-Isopropyltoluene U 0.000277 0.00136 1.02 10/28/2017 04:03 WG1036523 2-Butanone (MEK) U 0.00636 0.0136 1.02 10/28/2017 04:03 WG1036523 Methylene Chloride U 0.00136 0.00680 1.02 10/28/2017 04:03 WG1036523 4-Methyl-2-pentanone (MIBK) U 0.00256 0.0136 1.02 10/28/2017 04:03 WG1036523 Methyl tert-butyl ether U 0.000288 0.00136 1.02 10/28/2017 04:03 WG1036523 Naphthalene U 0.00136 0.00680 1.02 10/28/2017 04:03 WG1036523 n-Propylbenzene U 0.000280 0.00136 1.02 10/28/2017 04:03 WG1036523 Styrene U 0.000318 0.00136 1.02 10/28/2017 04:03 WG1036523 WG1036523	o-1,3-butadiene		(	0.000465	0.00136	1.02	10/28/2017 04:03	WG1036523
2-Butanone (MEK)         U         0.00636         0.0136         1.02         10/28/2017 04:03         WG1036523           Methylene Chloride         U         0.00136         0.00680         1.02         10/28/2017 04:03         WG1036523           4-Methyl-2-pentanone (MIBK)         U         0.00256         0.0136         1.02         10/28/2017 04:03         WG1036523           Methyl tert-butyl ether         U         0.000288         0.00136         1.02         10/28/2017 04:03         WG1036523           Naphthalene         U         0.00136         0.00680         1.02         10/28/2017 04:03         WG1036523           n-Propylbenzene         U         0.000280         0.00136         1.02         10/28/2017 04:03         WG1036523           Styrene         U         0.000318         0.00136         1.02         10/28/2017 04:03         WG1036523	enzene		(	0.000330	0.00136	1.02	10/28/2017 04:03	WG1036523
Methylene Chloride         U         0.00136         0.00680         1.02         10/28/2017 04:03         WG1036523           4-Methyl-2-pentanone (MIBK)         U         0.00256         0.0136         1.02         10/28/2017 04:03         WG1036523           Methyl tert-butyl ether         U         0.000288         0.00136         1.02         10/28/2017 04:03         WG1036523           Naphthalene         U         0.00136         0.00680         1.02         10/28/2017 04:03         WG1036523           n-Propylbenzene         U         0.000280         0.00136         1.02         10/28/2017 04:03         WG1036523           Styrene         U         0.000318         0.00136         1.02         10/28/2017 04:03         WG1036523	yltoluene		(	0.000277	0.00136	1.02	10/28/2017 04:03	WG1036523
4-Methyl-2-pentanone (MIBK)       U       0.00256       0.0136       1.02       10/28/2017 04:03       WG1036523         Methyl tert-butyl ether       U       0.000288       0.00136       1.02       10/28/2017 04:03       WG1036523         Naphthalene       U       0.00136       0.00680       1.02       10/28/2017 04:03       WG1036523         n-Propylbenzene       U       0.000280       0.00136       1.02       10/28/2017 04:03       WG1036523         Styrene       U       0.000318       0.00136       1.02       10/28/2017 04:03       WG1036523	ie (MEK)		(	0.00636	0.0136	1.02	10/28/2017 04:03	WG1036523
Methyl tert-butyl ether         U         0.000288         0.00136         1.02         10/28/2017 04:03         WG1036523           Naphthalene         U         0.00136         0.00680         1.02         10/28/2017 04:03         WG1036523           n-Propylbenzene         U         0.000280         0.00136         1.02         10/28/2017 04:03         WG1036523           Styrene         U         0.000318         0.00136         1.02         10/28/2017 04:03         WG1036523	: Chloride		(	0.00136	0.00680	1.02	10/28/2017 04:03	WG1036523
Naphthalene         U         0.00136         0.00680         1.02         10/28/2017 04:03         WG1036523           n-Propylbenzene         U         0.000280         0.00136         1.02         10/28/2017 04:03         WG1036523           Styrene         U         0.000318         0.00136         1.02         10/28/2017 04:03         WG1036523	?-pentanone (MIBK)			0.00256	0.0136	1.02	10/28/2017 04:03	WG1036523
n-Propylbenzene         U         0.000280         0.00136         1.02         10/28/2017 04:03         WG1036523           Styrene         U         0.000318         0.00136         1.02         10/28/2017 04:03         WG1036523	t-butyl ether		(	0.000288	0.00136	1.02	10/28/2017 04:03	WG1036523
Styrene         U         0.000318         0.00136         1.02         10/28/2017 04:03         WG1036523	ne			0.00136	0.00680	1.02	10/28/2017 04:03	WG1036523
•	enzene		(	0.000280	0.00136	1.02	10/28/2017 04:03	WG1036523
1,1,1,2-Tetrachloroethane U 0.000358 0.00136 1.02 10/28/2017 04:03 WG1036523				0.000318	0.00136	1.02	10/28/2017 04:03	WG1036523
	achloroethane		(	0.000358	0.00136	1.02	10/28/2017 04:03	WG1036523

(S) 4-Bromofluorobenzene

## SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Collected date/time: 10/25/17 14:00

Volatile Organic Compounds (GC/MS) by Method 8260B

99.7

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg	mg/kg		date / time	
1,1,2,2-Tetrachloroethane	U		0.000496	0.00136	1.02	10/28/2017 04:03	WG1036523
1,1,2-Trichlorotrifluoroethane	U		0.000496	0.00136	1.02	10/28/2017 04:03	WG1036523
Tetrachloroethene	0.0241		0.000376	0.00136	1.02	10/28/2017 04:03	WG1036523
Toluene	U		0.000590	0.00680	1.02	10/28/2017 04:03	WG1036523
1,2,3-Trichlorobenzene	U		0.000416	0.00136	1.02	10/28/2017 04:03	WG1036523
1,2,4-Trichlorobenzene	U		0.000528	0.00136	1.02	10/28/2017 04:03	WG1036523
1,1,1-Trichloroethane	U		0.000389	0.00136	1.02	10/28/2017 04:03	WG1036523
1,1,2-Trichloroethane	U		0.000376	0.00136	1.02	10/28/2017 04:03	WG1036523
Trichloroethene	0.190		0.000378	0.00136	1.02	10/28/2017 04:03	WG1036523
Trichlorofluoromethane	U		0.000520	0.00680	1.02	10/28/2017 04:03	WG1036523
1,2,3-Trichloropropane	U		0.00101	0.00340	1.02	10/28/2017 04:03	WG1036523
1,2,4-Trimethylbenzene	U		0.000287	0.00136	1.02	10/28/2017 04:03	WG1036523
1,2,3-Trimethylbenzene	U		0.000390	0.00136	1.02	10/28/2017 04:03	WG1036523
1,3,5-Trimethylbenzene	U		0.000361	0.00136	1.02	10/28/2017 04:03	WG1036523
Vinyl chloride	0.0151		0.000396	0.00136	1.02	10/28/2017 04:03	WG1036523
Xylenes, Total	U		0.000949	0.00408	1.02	10/28/2017 04:03	WG1036523
(S) Toluene-d8	97.1			80.0-120		10/28/2017 04:03	WG1036523
(S) Dibromofluoromethane	112			74.0-131		10/28/2017 04:03	WG1036523
(S) a,a,a-Trifluorotoluene	92.2			80.0-120		10/28/2017 04:03	WG1036523

64.0-132

10/28/2017 04:03

WG1036523



















PAGE:

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#### QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Total Solids by Method 2540 G-2011

L946592-01

#### Method Blank (MB)

Total Solids

(MB) R3262445-1 11/01/17	7 15:13			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%



Ss

#### L946589-03 Original Sample (OS) • Duplicate (DUP)

(00) 1040 5	20 00 11/01/1	7 4 5 .40 / 10 1 15	) R3262445-3	44 /04 /47 45 40
1051194658	39-03 11/01/1	/ I5'I3 • (I)UE	1 R 3 /h /445-3	11/()1/1/ 15:13
(00) =0 1000	33 00 11/01/1	, 10.10 (001	1102021100	11/01/17 10.10

0

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	83.1	83.2	1	0		5



## Laboratory Control Sample (LCS)

(LCS) R3262445-2 11/9	U 1/ 1 /	15:13
-----------------------	----------	-------

(LCS) R3262445-2 11/01/17	/ 15.15				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qua
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85-115	





### QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

PAGE:

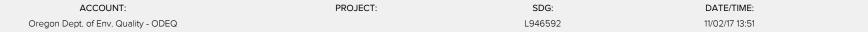
8 of 15

Volatile Organic Compounds (GC/MS) by Method 8260B

L946592-01

## Method Blank (MB)

Method Blank (MB)				
(MB) R3261465-3 10/27/17	12:08			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100



#### QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC/MS) by Method 8260B

L946592-01

#### Method Blank (MB)

(S) 4-Bromofluorobenzene

(MB) R3261465-3 10/27/17	7 12:08						
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/kg		mg/kg	mg/kg			
Isopropylbenzene	U		0.000243	0.00100			
p-Isopropyltoluene	U		0.000204	0.00100			
2-Butanone (MEK)	U		0.00468	0.0100			
Methylene Chloride	U		0.00100	0.00500			
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100			
Methyl tert-butyl ether	U		0.000212	0.00100			
Naphthalene	U		0.00100	0.00500			
n-Propylbenzene	U		0.000206	0.00100			
Styrene	U		0.000234	0.00100			
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100			
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100			
Tetrachloroethene	U		0.000276	0.00100			
Toluene	U		0.000434	0.00500			
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100			
1,2,3-Trichlorobenzene	0.000357	<u>J</u>	0.000306	0.00100			
1,2,4-Trichlorobenzene	U		0.000388	0.00100			
1,1,1-Trichloroethane	U		0.000286	0.00100			
1,1,2-Trichloroethane	U		0.000277	0.00100			
Trichloroethene	U		0.000279	0.00100			
Trichlorofluoromethane	U		0.000382	0.00500			
1,2,3-Trichloropropane	U		0.000741	0.00250			
1,2,3-Trimethylbenzene	U		0.000287	0.00100			
1,2,4-Trimethylbenzene	U		0.000211	0.00100			
1,3,5-Trimethylbenzene	U		0.000266	0.00100			
Vinyl chloride	U		0.000291	0.00100			
Xylenes, Total	U		0.000698	0.00300			
(S) Toluene-d8	104			80.0-120			
(S) Dibromofluoromethane	105			74.0-131			
(S) a,a,a-Trifluorotoluene	97.4			80.0-120			

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

64.0-132

(LCS) R3261465-1 10/27/1	17 11:05 • (LCSD)	R3261465-2	10/27/17 11:26								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Acetone	0.125	0.153	0.156	122	125	11.0-160			2.17	23	
Acrylonitrile	0.125	0.163	0.167	131	133	61.0-143			1.95	20	
Benzene	0.0250	0.0259	0.0259	103	103	71.0-124			0.0600	20	

2-Butanone (MEK)

0.125

0.147

0.148

### QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC/MS) by Method 8260B

L946592-01

Laboratory Control	Sample (L	CS) • Labo	ratory Con	trol Sample	e Duplicate	e (LCSD)					
(LCS) R3261465-1 10/27/17	7 11:05 • (LCSD)	R3261465-2	10/27/17 11:26								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	[:
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Bromobenzene	0.0250	0.0250	0.0249	100	99.5	78.0-120			0.510	20	
Bromodichloromethane	0.0250	0.0243	0.0244	97.3	97.5	75.0-120			0.200	20	
Bromoform	0.0250	0.0237	0.0234	94.8	93.7	65.0-133			1.16	20	L
Bromomethane	0.0250	0.0289	0.0305	116	122	26.0-160			5.48	20	4
n-Butylbenzene	0.0250	0.0309	0.0311	124	124	73.0-126			0.680	20	
sec-Butylbenzene	0.0250	0.0284	0.0289	114	116	75.0-121			1.68	20	
tert-Butylbenzene	0.0250	0.0273	0.0275	109	110	74.0-122			0.970	20	
Carbon disulfide	0.0250	0.0249	0.0252	99.5	101	53.0-130			1.15	20	L
Carbon tetrachloride	0.0250	0.0234	0.0237	93.6	94.8	66.0-123			1.32	20	6
Chlorobenzene	0.0250	0.0270	0.0272	108	109	79.0-121			0.890	20	
Chlorodibromomethane	0.0250	0.0247	0.0249	98.8	99.6	74.0-128			0.810	20	
Chloroethane	0.0250	0.0284	0.0294	114	117	51.0-147			3.43	20	
Chloroform	0.0250	0.0259	0.0261	104	104	73.0-123			0.490	20	L
Chloromethane	0.0250	0.0321	0.0322	129	129	51.0-138			0.300	20	8
2-Chlorotoluene	0.0250	0.0265	0.0265	106	106	72.0-124			0.250	20	
4-Chlorotoluene	0.0250	0.0270	0.0267	108	107	78.0-120			1.06	20	L
1,2-Dibromo-3-Chloropropane	0.0250	0.0255	0.0249	102	99.7	65.0-126			2.15	20	Ś
1,2-Dibromoethane	0.0250	0.0252	0.0257	101	103	78.0-122			1.69	20	
Dibromomethane	0.0250	0.0255	0.0258	102	103	79.0-120			1.34	20	
1,2-Dichlorobenzene	0.0250	0.0273	0.0276	109	110	80.0-120			1.07	20	
1,3-Dichlorobenzene	0.0250	0.0272	0.0274	109	110	72.0-123			1.01	20	
1,4-Dichlorobenzene	0.0250	0.0274	0.0272	110	109	77.0-120			0.960	20	
Dichlorodifluoromethane	0.0250	0.0288	0.0289	115	115	49.0-155			0.330	20	
1,1-Dichloroethane	0.0250	0.0280	0.0281	112	112	70.0-128			0.490	20	
1,2-Dichloroethane	0.0250	0.0276	0.0272	110	109	69.0-128			1.45	20	
1,1-Dichloroethene	0.0250	0.0255	0.0254	102	102	63.0-131			0.600	20	
cis-1,2-Dichloroethene	0.0250	0.0270	0.0267	108	107	74.0-123			1.03	20	
trans-1,2-Dichloroethene	0.0250	0.0267	0.0268	107	107	72.0-122			0.120	20	
1,2-Dichloropropane	0.0250	0.0281	0.0278	112	111	75.0-126			1.05	20	
1,1-Dichloropropene	0.0250	0.0258	0.0261	103	104	72.0-130			1.04	20	
1,3-Dichloropropane	0.0250	0.0262	0.0259	105	104	80.0-121			1.16	20	
cis-1,3-Dichloropropene	0.0250	0.0251	0.0246	100	98.3	80.0-125			1.98	20	
trans-1,3-Dichloropropene	0.0250	0.0251	0.0249	100	99.7	75.0-129			0.620	20	
2,2-Dichloropropane	0.0250	0.0229	0.0240	91.7	96.0	60.0-129			4.59	20	
Di-isopropyl ether	0.0250	0.0283	0.0283	113	113	62.0-133			0.0800	20	
Ethylbenzene	0.0250	0.0259	0.0262	104	105	77.0-120			1.04	20	
Hexachloro-1,3-butadiene	0.0250	0.0290	0.0297	116	119	68.0-128			2.21	20	
Isopropylbenzene	0.0250	0.0284	0.0287	113	115	75.0-120			1.12	20	
p-Isopropyltoluene	0.0250	0.0288	0.0291	115	116	74.0-125			1.16	20	

37.0-159

0.800

20

DATE/TIME:

11/02/17 13:51





















118

117

(S) Dibromofluoromethane

(S) a,a,a-Trifluorotoluene

(S) 4-Bromofluorobenzene

#### QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC/MS) by Method 8260B

#### Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

104

95.8

95.3

105

95.3

94.5

(LCS) R3261465-1 10/27/17 11:05 • (LCSD) R3261465-2 10/27/17 11:26

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Methylene Chloride	0.0250	0.0255	0.0257	102	103	67.0-123			0.890	20	
4-Methyl-2-pentanone (MIBK)	0.125	0.140	0.144	112	115	60.0-144			3.21	20	
Methyl tert-butyl ether	0.0250	0.0275	0.0279	110	112	66.0-125			1.43	20	
Naphthalene	0.0250	0.0280	0.0289	112	116	64.0-125			2.96	20	
n-Propylbenzene	0.0250	0.0276	0.0279	110	112	78.0-120			1.29	20	
Styrene	0.0250	0.0248	0.0244	99.0	97.7	78.0-124			1.32	20	
1,1,1,2-Tetrachloroethane	0.0250	0.0253	0.0258	101	103	74.0-124			1.99	20	
1,1,2,2-Tetrachloroethane	0.0250	0.0267	0.0274	107	109	73.0-120			2.38	20	
Tetrachloroethene	0.0250	0.0251	0.0253	100	101	70.0-127			0.740	20	
Toluene	0.0250	0.0247	0.0247	98.8	98.8	77.0-120			0.0200	20	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0251	0.0251	100	100	64.0-135			0.0100	20	
1,2,3-Trichlorobenzene	0.0250	0.0269	0.0271	108	108	68.0-126			0.720	20	
1,2,4-Trichlorobenzene	0.0250	0.0277	0.0269	111	108	70.0-127			2.69	20	
1,1,1-Trichloroethane	0.0250	0.0248	0.0253	99.0	101	69.0-125			2.08	20	
1,1,2-Trichloroethane	0.0250	0.0253	0.0258	101	103	78.0-120			1.73	20	
Trichloroethene	0.0250	0.0255	0.0262	102	105	79.0-120			2.75	20	
Trichlorofluoromethane	0.0250	0.0264	0.0277	106	111	59.0-136			4.83	20	
1,2,3-Trichloropropane	0.0250	0.0243	0.0250	97.1	100	73.0-124			2.96	20	
1,2,3-Trimethylbenzene	0.0250	0.0269	0.0272	108	109	76.0-120			0.980	20	
1,2,4-Trimethylbenzene	0.0250	0.0271	0.0275	109	110	75.0-120			1.14	20	
1,3,5-Trimethylbenzene	0.0250	0.0270	0.0273	108	109	75.0-120			1.10	20	
Vinyl chloride	0.0250	0.0304	0.0307	122	123	63.0-134			0.920	20	
Xylenes, Total	0.0750	0.0779	0.0791	104	105	77.0-120			1.53	20	
(S) Toluene-d8				100	100	80.0-120					

74.0-131

80.0-120

64.0-132



















PAGE: 11 of 15

## **GLOSSARY OF TERMS**

### Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

#### Abbreviations and Definitions

MDL Method Detection Limit.  MDL (dry) Method Detection Limit.  MDL (dry) Method Detection Limit.  MDL Reported Detection Limit.  RDL Reported Detection Limit.  RDL Reported Detection Limit.  RDL (dry) Reported Detection Limit.  RDL (dry) Reported Detection Limit.  Rec. Recovery.  RPD Relative Percent Difference.  SDG Sample Delivery Group.  Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate, used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.  U Not detected at the Reporting Limit (or MDL where applicable).  Analyte The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.  If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been conrected for its factor.  These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful OC Sample analysis will target all analytes recovered or outplicated within these ranges.  Original Sample  The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.  This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.  Result (Cn)  A brief discussion about the included sample resu	(dn)	Doculto are reported based on the document of the completification and the property of a document to the form of the
MDL (dry) Reported Detection Limit. RDL (dry) Reported Detection Limit. Rec. Recovery. RPD Relative Percent Difference. SDG Sample Delivery Group.  Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate: used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.  U Not detected at the Reporting Limit (or MDL where applicable).  The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.  If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.  These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful GC Sample analysis will target all analytes recovered or duplicated within these ranges.  Original Sample  The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.  This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative (In Qualifier in the Case Narrative (In Qualifier is appeted analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detect		
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	Sample Summary (Ss)	

#### Qualifier Description

The identification of the analyte is acceptable; the reported value is an estimate.





















ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

#### State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina <sup>1</sup>	DW21704
Florida	E87487	North Carolina <sup>2</sup>	41
Georgia	NELAP	North Dakota	R-140
Georgia <sup>1</sup>	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky <sup>1</sup>	90010	South Dakota	n/a
Kentucky <sup>2</sup>	16	Tennessee 14	2006
Louisiana	Al30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

#### Third Party & Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA - ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crvpto	TN00003		

<sup>&</sup>lt;sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

#### **Our Locations**

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



















#### State of Oregon Chain of Custody

Agency, Authorized Purchaser or Agent: Oregon DEQ  Send Lab Report To: Katie Robertson Address: 800 SE Emigrant Ave, Suite 330 Pendleton, OR 97801  Tel. #: (541) 278-4620 E-mail: robertson.katie@deq.state.or.us & Pugh. mark@deq.slate					Contract Laboratory Name; ESC  Lab Batch #: Invoice To: ODEQ/Business Office Address: 811 SW 6th Ave Portland, OR 97204					Lab Selection Criteria:  ☐ Proximity (if TAT < 48 hrs) ☐ Prior work on same project ☐ Cost (for anticipated analyses) ☐ Other labs disqualified or unab to perform requested services				ject		
Project Name: PROGRESS WELL Sampler Name: A. CHAVE	ABOUDOWN	Г		in the	16 8	3	1		4		1	A097 194659				
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Relinquished By: A. C44VEZ Agency/Agent:					ART (ROUSER Received By:				Agen				ncy/Agen	:y/Agent:		
Relinquished By:  Signature:  Agency/Agent:  Time & Date:  Time & Date:				1.25,7017 1415 Signature:						Time &						
					113	Receive	d By:	:50	1900				ncy/Agen	b:		
				Signature: B Sda						Time & Date: 10/24/17 845						

THIS PURCHASE IS SUBMITTED PURSUANT TO STATE OF OREGON SOLICITATION #102-1098-07 AND PRICE AGREEMENT # 8903. THE PRICE AGREEMENT INCLUDING CONTRACT TERMS AND CONDITIONS (ITS &C'S) CONTAINED IN THE PRICE AGREEMENT ARE HEREBY INCORPORATED BY REFERENCE AND SHALL TAKE PRECEDENCE OVER ALL OTHER CONFLICTING ITS AND C'S, EXPRESS OR IMPLIED.

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ESC LAB SC	IENCES		S SALL
Cooler Recei	pt Form		
Client: OREGONDER	SDG#	19	46592
Cooler Received/Opened On: 10/26/17	Temperature:	1.7	
Received By: Branford Shaw			
Signature: B. Show			
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?			
COC Signed / Accurate?		1	1 120
Bottles arrive intact?		/	1
Correct bottles used?		/	To the
Sufficient volume sent?			
If Applicable		TWO SHI	1000
VOA Zero headspace?		100	
Preservation Correct / Checked?			

# 

P		print or type. (Form designed for use on elite (12-pitch) typewriter.)				Fo	т Аррточе	d. OMB N	o. 2050-003		
	ţυ	INIFORM HAZARDOUS 1. Generator ID Number 2 Page 1 of 3.	Emergency Respons	e Phone	4. Manifes	t Tracking	Number				
1	5.		13-224-3206			10	142	53	FLE		
		ODEO 700 11 C My House of the feet	verator's Site Addres	s (il different	than mailing addre	PSS)					
k	He.	ODEQ 700 NE Multhomad St. ste. 600 BEAUTION OR BROWN BEAUTION Transporter I Company Name	DEQ	PIVD							
T	T	DEAVELTON OR STORE	SAR SWHALL EAVERTON	OR 97	008	,					
1	6.	Transporter I Company Name									
1					U.S EPAID				,		
	7	WASTEXPRESS Vansporter 2 Company Name	gadhe es	1.1	U.S EPAID	3 0 0	0 0 2	3 1	50		
	,	CHEMICAL MARTE MANAGEMENT			1						
	8 1	CHEMICAL WASTE MANAGEMENT Designated Facility Name and Site Address	(1)	1 1	LORD	0 8	9 4 5	23	53		
П	CHEMICAL WASTE MANAGEMENT										
П	170	17629 CEDAR-SPRINGS LANE ARLINGTON OR 97812									
П		ANGING TON OR 9/8/2			LABB		0 1 F				
П	9a.			The second name of the second			9 4 5	23	5 3		
П	HM		10. Contai	Type	11 Total Quantity	12 Unit WL/Vol.	13.	Waste Cod	es		
		NON-DOT REGULATED MATERIAL, N.O.S., (IDW.SOIL)	<del>                                     </del>	1900	- domini	TYCTYCI,	-				
Ē		THE SOUTH DESCRIPTION AT LEXIAL, N.U.S., (IDW.SOIL)	1 Des	MM	1990	P	NONE	. 1			
PA		The state of the s	0.3/	1711	CHOCHO	1	-0-0-1-1-2	- 5			
GENERATOR		2.UN3082, Environmentally Hazardous Substance.	<del>                                     </del>								
Ü		Liquid, N.O.S La (IDW Soil + water) Retractionethyl	4 01	hm	500	D	FOOD		merall		
	L	ma 1-24-18	01	Dm	300	/					
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	14. 5	Special Handing Instructions and Additional Information		7112							
ľ	7	11/06/261780R (3/55 DM)									
1	2)	101(1) DEAN (18 M) - CO / 17 11871									
		00236-536(1/8 558,617-483)									
	15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable in Emp	and accurately desc	ribed above	by the proper ship	ping name,	and are class	sified, packs	ged,		
	1	warping i court that the contents of this constitution contains to the terms of the effection of the effective of the effection of the effective of the effection of the effective of the effecti	nt of Concent			export ship	pment and I a	m the Prima	iry		
L		I carrily that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) of	or (b) (if I am a small	quantity gen	erator) is true.						
П	\	viginal vigina	n		0		Mont	h Day	Vear		
*	15 10	Ea - MARIE PUGH  Ternational Shipments	Phe	DV			2	0.	118		
INTL		Import to U.S. Export from U.S.	Port of entry	/lexit	1						
		souther signature (for exports only):	Date feaving	U S.:							
_	_	ansporter Acknowledgment of Receipt of Materials porter 1 Printed/Typed Name Signature									
IRANSPORT	· carraj	Chais Marke	14-1	n	$\cap$		Mont	Cay	Year		
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	18h Al	Memate Facility (or Generator)	laniesi Reference N	umber:	1	0 00	n	62	1-18		
raciuit		terminal reality (a) contributy			U.S EPAID Nun	nber					
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5		ys Phone. Ignature of Allernate Facility (or Generator)		-							
GNAIED		g (a. destruction)					Mont	h Day	Year		
5	9 Ha	Parrious Waste Report Management Nethod Codes (to analysis to be analysis				****					
		zardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and rec	young systems)								
	00	H132			4.						
1	O Ope	signated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest exper	d as asladi ii								
+	rilled	Signated recently owner or Operator: Certification of receipt of hazardous materials covered by the manifest except Wyped Namo Signature	2) 13 noted in Item 1	a							
	1,	NULO TUNOS	1				Month	Day	Year		
PAF	om F	8700-22 (Rev. 3-05) Previous editions are obsolete.					1	17	18		
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