

INJECTATE

Collected date/time: 08/18/16 08:40

SAMPLE RESULTS - 01

L854823

ONE LAB. NATIONWIDE.



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch	1 Cp
Dissolved Solids	5350000		10000	1	08/24/2016 05:26	WG901366	2 Tc

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch	3 Ss
Suspended Solids	19000		2500	1	08/24/2016 14:08	WG901369	4 Cn

Wet Chemistry by Method 2710 F-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch	5 Sr
Density	0.984		1	08/22/2016 09:25	WG900889	6 Qc

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch	7 Gl
Chloride	2790000		50000	50	08/26/2016 08:57	WG902541	8 Al
Sulfate	21500		5000	1	08/28/2016 04:21	WG902955	9 Sc

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.37		1	08/22/2016 10:54	WG900720

Sample Narrative:

4500H+ B-2011 L854823-01 WG900720: 7.37 at 10.1c

Wet Chemistry by Method 5310 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	15700		1000	1	08/29/2016 23:20	WG902294

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
MBAS	145		100	1	08/20/2016 16:14	WG900713

Metals (ICP) by Method 200.7

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Aluminum	ND		200	1	08/23/2016 10:21	WG900866
Arsenic	11.7		10.0	1	08/23/2016 10:21	WG900866
Barium	20000		25.0	5	08/23/2016 11:17	WG900866
Calcium	233000		1000	1	08/23/2016 10:21	WG900866
Iron	956		100	1	08/23/2016 10:21	WG900866
Manganese	79.1		10.0	1	08/23/2016 10:21	WG900866
Sodium	1360000		5000	5	08/23/2016 11:17	WG900866

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	08/23/2016 09:40	WG900742
(S) a, a, a-Trifluorotoluene(FID)	112		62.0-128		08/23/2016 09:40	WG900742

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Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	468		10.0	1	08/25/2016 14:07	WG902079
Ethane	ND		13.0	1	08/25/2016 14:07	WG902079
Ethene	ND		13.0	1	08/25/2016 14:07	WG902079

1 Cp

2 Tc

3 Ss

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	08/25/2016 05:46	WG901637
Toluene	ND		5.00	1	08/25/2016 05:46	WG901637
Ethylbenzene	ND		1.00	1	08/25/2016 05:46	WG901637
Total Xylenes	ND		3.00	1	08/25/2016 05:46	WG901637
(S) Toluene-d8	107		90.0-115		08/25/2016 05:46	WG901637
(S) Dibromofluoromethane	103		79.0-121		08/25/2016 05:46	WG901637
(S) a,a,a-Trifluorotoluene	98.0		90.4-116		08/25/2016 05:46	WG901637
(S) 4-Bromofluorobenzene	97.5		80.1-120		08/25/2016 05:46	WG901637

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
C10-C28 Diesel Range	596		100	1	08/23/2016 20:22	WG900726
C28-C40 Oil Range	458	B	100	1	08/23/2016 20:22	WG900726
(S) o-Terphenyl	65.1		50.0-150		08/23/2016 20:22	WG900726

9 Sc

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Client : EnviroCheck of VA., Inc
Client Project : Injectate Wastewater
Lab Number : 20160813
Date Reported : 09/15/16
Date Received : 08/23/16
Page Number : 2 of 2

Analytical Report

Method	Result	DL	Units	Qual	Prep Date	Analysis Date	Analyst
Lab ID : 20160813-01							
Client ID : INJECTATE							
Date Sampled : 8/18/2016 8:40:00 AM							
Matrix : NPW							

Radiochemical Analyses

Radium-226	SM 7500 Ra B M*	13.2 +/- 0.979	0.111	pCi/l	08/31/16	09/09/16	RE
Radium-228	EPA 904*/9320*	4.40 +/- 0.565	0.633	pCi/l	09/02/16	09/08/16	JR

QC Report

Parameter	Blank	LCS %REC	LCSD %REC	RPD	DUP RPD	RER, NAD or DER	MS %REC	MSD %REC	RPD	Batch ID
Radium-226	0.009	99.1			NC	1.670	86.5	99.4	13.8	R1128
Radium-228	0.402	84.4			NC	0.580	84.3	87.6	3.8	R3851

Lab Approval:


Ron Eidson
Director of Radiochemistry

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