

From: Kathleen McDaniel <kmcdaniel@manitowoc.org>
Sent: Monday, December 16, 2019 3:17 PM
To: Beggs, Tauren R - DNR; jim.kasdorf@wisconsin.gov
Cc: GravelPit
Subject: FW: Newton Pit - Expanded Sampling - latest results and 2nd confirmation sampling results
Attachments: 3709 S 15th St.pdf; 3717 S 15th St.pdf; 3722 S 15th St.pdf; 3727 S 15th St.pdf; 4002 S 21st St.pdf; 4218 S 10th St.pdf; 4403 S 10th St.pdf; 1718 Jenny Rd.pdf; 2917 S 19th St.pdf; 3109 S 19th St.pdf; 3116 Silver Crk Rd.pdf; 3201 S 15th St.pdf; 3209 S 15th St.pdf; 3518 Silver Crk Rd.pdf; 3533 S 10th St.pdf; 3604 Silver Crk Rd.pdf; 3612 S 19th St.pdf

Tauren and Jim,

Attached is another set of lab results.

Kathleen

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

DAVE HENDERSON
AECOM
1555 N RIVERCENTER DRIVE
MILWAUKEE, WI 53212

Report Date 09-Dec-19

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206A
Sample ID 1718 JENNY RD
Sample Matrix Water
Sample Date 11/26/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/3/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/3/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/3/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/3/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/3/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/3/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/3/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/3/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/3/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/3/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/3/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/3/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/3/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/3/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/3/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/3/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/3/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/3/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/3/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/3/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/3/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/3/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/3/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206A
Sample ID 1718 JENNY RD
Sample Matrix Water
Sample Date 11/26/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/3/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/3/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/3/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/3/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/3/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/3/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/3/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/3/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/3/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/3/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/3/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/3/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/3/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/3/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/3/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/3/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/3/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/3/2019	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/3/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/3/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/3/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/3/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/3/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/3/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/3/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/3/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/3/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/3/2019	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		12/3/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		12/3/2019	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		12/3/2019	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		12/3/2019	CJR	1

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Report Date 09-Dec-19

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37220

Lab Code 5037220A
Sample ID 2917 S 19TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	1.18	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	0.44 "J"	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		12/5/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Michael Ricker

Synergy Environmental Lab, INC

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Report Date 09-Dec-19

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37218

Lab Code 5037218A
Sample ID 3109 S 19TH
Sample Matrix Water
Sample Date 11/26/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	0.87 "J"	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37218

Lab Code 5037218A
Sample ID 3109 S 19TH
Sample Matrix Water
Sample Date 11/26/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	0.27 "J"	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		12/5/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Michael Ricker

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 50372060
Sample ID 3116 SILVER CREEK RD
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 50372060
Sample ID 3116 SILVER CREEK RD
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206F
Sample ID 3201 S 15TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	0.67 "J"	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	0.44 "J"	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206F
Sample ID 3201 S 15TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206P
Sample ID 3209 S 15TH ST
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	0.51 "J"	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206P
Sample ID 3209 S 15TH ST
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	0.20 "J"	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		12/5/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206N
Sample ID 3518 SILVER CREEK RD
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206N
Sample ID 3518 SILVER CREEK RD
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	92	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206G
Sample ID 3533 S 10TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206G
Sample ID 3533 S 10TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206M
Sample ID 3604 SILVER CREEK RD
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206M
Sample ID 3604 SILVER CREEK RD
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206K
Sample ID 3612 S 19TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206K
Sample ID 3612 S 19TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206D
Sample ID 3709 S 15TH
Sample Matrix Water
Sample Date 11/26/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/3/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/3/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/3/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/3/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/3/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/3/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/3/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/3/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/3/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/3/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/3/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/3/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/3/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/3/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/3/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/3/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/3/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/3/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/3/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/3/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/3/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/3/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/3/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/3/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/3/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/3/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/3/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/3/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/3/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/3/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/3/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/3/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/3/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/3/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/3/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/3/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/3/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/3/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/3/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/3/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/3/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206D
Sample ID 3709 S 15TH
Sample Matrix Water
Sample Date 11/26/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/3/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/3/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/3/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/3/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/3/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/3/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/3/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/3/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/3/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/3/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		12/3/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		12/3/2019	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		12/3/2019	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		12/3/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206B
Sample ID 3717 S 15TH
Sample Matrix Water
Sample Date 11/26/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/3/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/3/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/3/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/3/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/3/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/3/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/3/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/3/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/3/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/3/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/3/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/3/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/3/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/3/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/3/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/3/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/3/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/3/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/3/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/3/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/3/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/3/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/3/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/3/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/3/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/3/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/3/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/3/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/3/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/3/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/3/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/3/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/3/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/3/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/3/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/3/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/3/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/3/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/3/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/3/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/3/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206B
Sample ID 3717 S 15TH
Sample Matrix Water
Sample Date 11/26/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/3/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/3/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/3/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/3/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/3/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/3/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/3/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/3/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/3/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/3/2019	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		12/3/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		12/3/2019	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		12/3/2019	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		12/3/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206C
Sample ID 3722 S 15TH
Sample Matrix Water
Sample Date 11/26/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/3/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/3/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/3/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/3/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/3/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/3/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/3/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/3/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/3/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/3/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/3/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/3/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/3/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/3/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/3/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/3/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/3/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/3/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/3/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/3/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/3/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/3/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/3/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/3/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/3/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/3/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/3/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/3/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/3/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/3/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/3/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/3/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/3/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/3/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/3/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/3/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/3/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/3/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/3/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/3/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/3/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/3/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206C
Sample ID 3722 S 15TH
Sample Matrix Water
Sample Date 11/26/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/3/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/3/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/3/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/3/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/3/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/3/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/3/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/3/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/3/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/3/2019	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		12/3/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		12/3/2019	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		12/3/2019	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		12/3/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206I
Sample ID 3727 S 15TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206I
Sample ID 3727 S 15TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206H
Sample ID 4002 S 21ST
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206H
Sample ID 4002 S 21ST
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206J
Sample ID 4218 S 10TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206J
Sample ID 4218 S 10TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206L
Sample ID 4403 S 10TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		12/5/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		12/5/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		12/5/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		12/5/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		12/5/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		12/5/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		12/5/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
Chloroform	0.32 "J"	ug/l	0.26	0.82	1	8260B		12/5/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		12/5/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/5/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		12/5/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		12/5/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		12/5/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		12/5/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		12/5/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		12/5/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		12/5/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		12/5/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		12/5/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		12/5/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		12/5/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		12/5/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		12/5/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		12/5/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		12/5/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		12/5/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		12/5/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		12/5/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		12/5/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		12/5/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		12/5/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		12/5/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		12/5/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/5/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		12/5/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		12/5/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		12/5/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		12/5/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXTENDED PW
Project # 60135471.40

Invoice # E37206

Lab Code 5037206L
Sample ID 4403 S 10TH
Sample Matrix Water
Sample Date 12/2/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		12/5/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		12/5/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		12/5/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		12/5/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		12/5/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		12/5/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		12/5/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		12/5/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		12/5/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		12/5/2019	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		12/5/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		12/5/2019	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		12/5/2019	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		12/5/2019	CJR	1

From: Kathleen McDaniel <kmcdaniel@manitowoc.org>
Sent: Thursday, December 12, 2019 10:41 AM
To: Beggs, Tauren R - DNR; jim.kasdorf@wisconsin.gov
Cc: GravelPit
Subject: FW: Newton Pit - Expanded sampling results, Nov 18th
Attachments: 4410 S 10th St.pdf; 1805 Lissa Lane.pdf; 3508 Cimmaron Ct.pdf; 3813 S 15th St.pdf; 4007 S 18th St.pdf; 4030 S 21st St.pdf; 4215 S 10th St.pdf; 4317 S 10th St.pdf

Hi Tauren and Jim,

Attached is another round of sampling notifications from the Gravel Pit.

Kathleen M. McDaniel
Manitowoc City Attorney
900 Quay Street, Manitowoc, WI 54220
(920) 686-6990 | kmcdaniel@manitowoc.org

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180F
Sample ID 1805 LISSA LANE
Sample Matrix Water
Sample Date 11/18/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		11/26/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/26/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/26/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/26/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/26/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/26/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/26/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/26/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/26/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/26/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/26/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/26/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/26/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/26/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/26/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/26/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		11/26/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		11/26/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/26/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/26/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/26/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/26/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/26/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/26/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/26/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/26/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/26/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		11/26/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/26/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/26/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/26/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		11/26/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/26/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180F
Sample ID 1805 LISSA LANE
Sample Matrix Water
Sample Date 11/18/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/26/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/26/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/26/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/26/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/26/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/26/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		11/26/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/26/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/26/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		11/26/2019	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		11/26/2019	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		11/26/2019	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180C
Sample ID 3508 CIMMARON CT
Sample Matrix Water
Sample Date 11/16/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		11/26/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/26/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/26/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/26/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/26/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/26/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/26/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/26/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/26/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/26/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/26/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/26/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/26/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/26/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/26/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/26/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		11/26/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		11/26/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/26/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/26/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/26/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/26/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/26/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/26/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/26/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/26/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/26/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		11/26/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/26/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/26/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/26/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		11/26/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/26/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180C
Sample ID 3508 CIMMARON CT
Sample Matrix Water
Sample Date 11/16/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/26/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/26/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/26/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/26/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/26/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/26/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		11/26/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/26/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/26/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		11/26/2019	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		11/26/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		11/26/2019	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180I
Sample ID 3813 S 15TH
Sample Matrix Water
Sample Date 11/22/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		11/26/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/26/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/26/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/26/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/26/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/26/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/26/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/26/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/26/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/26/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/26/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/26/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/26/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/26/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/26/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/26/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		11/26/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		11/26/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/26/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/26/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/26/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/26/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/26/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/26/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/26/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/26/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/26/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		11/26/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/26/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/26/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/26/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		11/26/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/26/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180I
Sample ID 3813 S 15TH
Sample Matrix Water
Sample Date 11/22/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/26/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/26/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/26/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/26/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/26/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/26/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		11/26/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/26/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/26/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		11/26/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		11/26/2019	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		11/26/2019	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		11/26/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180E
Sample ID 4007 S 18TH
Sample Matrix Water
Sample Date 11/18/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		11/26/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/26/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/26/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/26/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/26/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/26/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/26/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/26/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/26/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/26/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/26/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/26/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/26/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/26/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/26/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/26/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		11/26/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		11/26/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/26/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/26/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/26/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/26/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/26/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/26/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/26/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/26/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/26/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		11/26/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/26/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/26/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/26/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		11/26/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/26/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180E
Sample ID 4007 S 18TH
Sample Matrix Water
Sample Date 11/18/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/26/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/26/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/26/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/26/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/26/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/26/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		11/26/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/26/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/26/2019	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		11/26/2019	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		11/26/2019	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		11/26/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180G
Sample ID 4030 S 21ST
Sample Matrix Water
Sample Date 11/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		11/26/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/26/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/26/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/26/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/26/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/26/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/26/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/26/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/26/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/26/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/26/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/26/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/26/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/26/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/26/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/26/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		11/26/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		11/26/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/26/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/26/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/26/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/26/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/26/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/26/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/26/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/26/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/26/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		11/26/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/26/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/26/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/26/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		11/26/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/26/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180G
Sample ID 4030 S 21ST
Sample Matrix Water
Sample Date 11/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/26/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/26/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/26/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/26/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/26/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/26/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		11/26/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/26/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/26/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		11/26/2019	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		11/26/2019	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		11/26/2019	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180B
Sample ID 4215 S 10TH
Sample Matrix Water
Sample Date 11/16/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		11/26/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/26/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/26/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/26/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/26/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/26/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/26/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/26/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/26/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/26/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/26/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/26/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/26/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/26/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/26/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/26/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		11/26/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		11/26/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/26/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/26/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/26/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/26/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/26/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/26/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/26/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/26/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/26/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		11/26/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/26/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/26/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/26/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		11/26/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/26/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180B
Sample ID 4215 S 10TH
Sample Matrix Water
Sample Date 11/16/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/26/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/26/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/26/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/26/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/26/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/26/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		11/26/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/26/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/26/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		11/26/2019	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		11/26/2019	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		11/26/2019	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180D
Sample ID 4317 S 10TH
Sample Matrix Water
Sample Date 11/18/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		11/26/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/26/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/26/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/26/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/26/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/26/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/26/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/26/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/26/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/26/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/26/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/26/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/26/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/26/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/26/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/26/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		11/26/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		11/26/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/26/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/26/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/26/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/26/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/26/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/26/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/26/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/26/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/26/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		11/26/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/26/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/26/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/26/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		11/26/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/26/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180D
Sample ID 4317 S 10TH
Sample Matrix Water
Sample Date 11/18/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/26/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/26/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/26/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/26/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/26/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/26/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		11/26/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/26/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/26/2019	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		11/26/2019	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		11/26/2019	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		11/26/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180H
Sample ID 4410 S 10TH
Sample Matrix Water
Sample Date 11/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		11/26/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/26/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/26/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/26/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/26/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/26/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/26/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/26/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/26/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/26/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/26/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/26/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/26/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/26/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/26/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/26/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/26/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/26/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		11/26/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		11/26/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/26/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/26/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/26/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/26/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/26/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/26/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/26/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/26/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/26/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/26/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		11/26/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/26/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/26/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/26/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/26/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		11/26/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/26/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/26/2019	CJR	1

Project Name NEWTON GRAVEL PIT EXPANDED PW
Project # 60135471.40

Invoice # E37180

Lab Code 5037180H
Sample ID 4410 S 10TH
Sample Matrix Water
Sample Date 11/20/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/26/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/26/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/26/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		11/26/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/26/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/26/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/26/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		11/26/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/26/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/26/2019	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		11/26/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		11/26/2019	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		11/26/2019	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		11/26/2019	CJR	1