



August 14, 2023

Wesley Thomas
Project Manager
NW Region Cleanup & Site Assessment Section
Oregon Department of Environmental Quality
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Portland, Oregon 97232
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RE: NW Natural Source Control Groundwater Treatment Facility Residual Lab Data Package, First and Second Quarters 2023 – Soft Copy Lab Package Submittal

Dear Wesley:

Enclosed please find the NW Natural Source Control Groundwater Treatment Facility Residual Data Package for the first and second quarters of 2023. This residual data package includes filter cake, bag filter, and monthly process control data from Siltronic pre-treatment plant influent and effluent, NW Natural pre-treatment plant influent and effluent, Koppers Tank Basin effluent (KOP), Fill Water Bearing Zone (WBZ) Interceptor trench influent and effluent, and the main Groundwater Treatment plant influent, as requested by DEQ. At the end of May 2022, the Koppers Tank Basin Effluent was added to the treatment system.

Filter cake and bag filter data include total petroleum hydrocarbons (diesel-range, residual-range petroleum hydrocarbons [NWTPH-DX] and gasoline-range petroleum hydrocarbons [NWTPH-Gx]), volatile organic compounds (VOCs; halogenated and non-halogenated), total cyanide, SVOCs, metals, and percent dry weight. This data is reported and compared to 20x TCLP concentrations consistent with USEPA guidance.¹ The monthly process control data includes VOCs, cyanide, polyaromatic hydrocarbons (PAHs), copper, iron, and total suspended solids.

This semi-annual residual package is consistent with DEQ feedback received on April 25, 2016.

Sincerely,

¹ A minor laboratory deviation from USEPA's TCLP guidance is notated with a qualifier on the attached bag filter report.



William Byrd
Groundwater Treatment Plant Superintendent
Sevenson Environment Services

Cc:

Robert Wyatt – NW Natural
Patty Dost, – Pearl Legal Group
Ben Hung – Coalition Environmental
Mike Crystal, Joseph Burke – SES
Terry Driscoll – ADA
Ryan Barth, John Edwards, Kendra Skellenger, Jen Mott – Anchor QEA
Rob Ede – Hahn and Associates
Dan Hafley -- ODEQ

Enclosures:

Table 1 – January 2023 through June 2023 Filter Cake Residual Charted Lab Results
Table 2 – January 2023 through June 2023 Bag Filter Residual Charted Lab Results
Table 3A, 3B, 3C, 3D, 3E, and 3F – January 2023 through June 2023 Monthly Process
Control Charted Lab Results

CD:

January 2023 through June 2023 Filter Cake Lab Results
January 2023 through June 2023 Bag Filter Lab Results
January 2023 through June 2023 Monthly Process Labs Results

Table 1 - Jan-Jun 2023 Filter Cake Residuals

Drop Number			2053		2067		2081		2096		2115		2131	
Sample ID			FC-012323-2053		FC-022023-2067		FC-032023-2081		FC-041623-2245		FC-052323-2115		FC-062023-2131	
LAB ID			A3A0849-01		A3B0682-01		A3C0842-01		A3D1359-01		A3E1675-01		A3F1367-01	
EPA Toxicity Characteristic (TC)			Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier
20x EPA TC values in ug/kg*			Actual EPA TC values in ug/L											
Diesel (ug/kg dry)			11,900,000	F-13	5,100,000	F-13	2,120,000	F-13	2,570,000	F-13	7,130,000	F-13	5,690,000	F-13
Oil (ug/kg dry)			<2,180,000		<855000		<834000		<365000		<2,970,000		<402000	
Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx (ug/kg dry)			987,000		161,000		98,500		63,800		152,000		45100	
Volatile Organic Compounds by EPA 8260D			µg/kg dry		µg/kg dry		µg/kg dry		µg/kg dry		µg/kg dry		µg/kg dry	
Acetone			<26100		<7590		<3490		<3000		<3240		<3450	
Acrylonitrile			<2610		<759		<349		<300		NA		<345	
Benzene	10,000	500	391	J	159		168		72.1		104		<34.5	
Bromobenzene			<652		<190		<87.3		<75.1		<81.0		<86.3	
Bromochloromethane			<1300		<380		<175		<150		<162		<173	
Bromodichloromethane			<1300		<380		<175		<150		<162		<173	
Bromoform			<2610		<759		<349		<300		<648		<345	
Bromomethane			<26100		<7590		<3490		<3000		<3240		<3450	
2-Butanone (MEK)	4,000,000	200,000	<13000		<3800		<1750		<1500		<1620		<1730	
n-Butylbenzene			<1300		<380		<175		<300		<162		<173	
sec-Butylbenzene			<1300		<380		<175		<150		<162		<173	
tert-Butylbenzene			<1300		<380		<175		<150		<162		<173	
Carbon disulfide			<13000		<3800		<1750		<1500		<1620		<1730	
Carbon tetrachloride	10,000	500	<1300		<380		<175		<150		NA		<173	
Chlorobenzene	2,000,000	100,000	<652		<190		<87.3		<75.1		<81.0		<86.3	
Chloroethane			<13000		<3800		<1750		<1500		<1620		<1730	
Chloroform	120,000	6,000	<1300		<380		<175		<150		<162		<173	
Chloromethane			<6520		<1900		<873		<751		<1620		<863	
2-Chlorotoluene			<1300		<380		<175		<150		<162		<173	
4-Chlorotoluene			<1300		<380		<175		<150		<162		<173	
Dibromochloromethane			<2610		<759		<349		<300		<324		<345	
1,2-Dibromo-3-chloropropane			<6520		<1900		<873		<751		<810		<863	
1,2-Dibromoethane (EDB)			<1300		<380		<175		<150		<162		<173	
Dibromomethane			<1300		<380		<175		<150		<162		<173	
1,2-Dichlorobenzene			<652		<190		<87.3		<75.1		<81.0		<86.3	
1,3-Dichlorobenzene			<652		<190		<87.3		<75.1		<81.0		<86.3	
1,4-Dichlorobenzene	150,000	7,500	<652		<190		<87.3		<75.1		<81.0		<86.3	
Dichlorodifluoromethane			<2610		<1520	ICV-02	<349		<300		<648		<345	
1,1-Dichloroethane			<652		<190		<87.3		<75.1		<81.0		<86.3	
1,2-Dichloroethane (EDC)	10,000	500	<652		<190		<87.3		<75.1		<81.0		<86.3	
1,1-Dichloroethene	14,000	700	<652		<190		<87.3		<75.1		<81.0		<86.3	
cis-1,2-Dichloroethene			<652		<190		<87.3		<75.1		<81.0		<86.3	
trans-1,2-Dichloroethene			<652		<190		<87.3		<75.1		<81.0		<86.3	
1,2-Dichloropropane			<652		<190		<87.3		<75.1		<81.0		<86.3	
1,3-Dichloropropane			<1300		<380		<175		<150		<162		<173	
2,2-Dichloropropane			<1300		<380		<175		<150		<162		<173	
1,1-Dichloropropene			<1300		<380		<175		<150		<162		<173	
cis-1,3-Dichloropropene			<1300		<380		<175		<150		<162		<173	
trans-1,3-Dichloropropene			<1300		<380		<175		<150		<162		<173	
Ethylbenzene			<652		304	J	279		<150		308		<86.3	
Hexachlorobutadiene	10,000	500	<2610		<759		<349		<300		<324		<345	
2-Hexanone			<26100		<3800		<3490		<1500		<1620		<3450	
Isopropylbenzene			<1300		<380		<175		<150		<162		<173	
4-Isopropyltoluene			<1300		<380		<175		<150		172	J	<173	
Methylene chloride			<13000		<3800		<1750		<1500		<1620		<1730	
4-Methyl-2-pentanone (MIBK)			<13000		<3800		<3490		<1500		<1620		<1730	
Methyl tert-butyl ether (MTBE)			<1300		<380		<175		<150		<162		<173	
Naphthalene			49800		1810		521	J	<751	R-06	651		<345	
n-Propylbenzene			<652		<190		<87.3		<75.1		<81.0		<86.3	
Styrene			<1300		<380		<175		<150		<162		<173	
1,1,1,2-Tetrachloroethane			<652		<190		<87.3		<75.1		<81.0		<86.3	
1,1,2,2-Tetrachloroethane			<1300		<380		<175		<150		<162		<173	
Tetrachloroethene (PCE)	14,000	700	<652		<190		<87.3		<75.1		<81.0		<86.3	
Toluene			<1300		<380		<175		<150		<162		<173	
1,2,3-Trichlorobenzene			<6520		<1900		<873		<751		<810		<863	
1,2,4-Trichlorobenzene			<6520		<1900		<873		<751		<810		<863	
1,1,1-Trichloroethane			<652		<190		<87.3		<75.1		<81.0		<86.3	
1,1,2-Trichloroethane			<652		<190		<87.3		<75.1		<81.0		<86.3	
Trichloroethene (TCE)	10,000	500	<652		<190		<87.3		<75.1		<81.0		<86.3	
Trichlorofluoromethane			<2610		<759		<349		<300		<648		<345	
1,2,3-Trichloropropane			<1300		<380		<175		<150		<162		<173	
1,2,4-Trimethylbenzene			1850	J	683	J	409		<451	R-06	697		<173	
1,3,5-Trimethylbenzene			<1300		<380		175	J	<300		246	J	<173	
Vinyl chloride	4,000	200	<652		<190		<87.3		<75.1		<81.0		<86.3	
m,p-Xylene			<1300		<380		227	J	<150		194	J	<173	
o-Xylene			<652		220	J	147	J	<150		204		<86.3	
TCLP Volatile Organic Compounds by EPA1311/8260D			µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Benzene	10,000	500	<6.25		<6.25		<6.25		<6.25		<6.25		<6.25	
2-Butanone (MEK)	4,000,000	200,000	<250		<250		<250		<250		<250		<250	
Carbon tetrachloride	10,000	500	<25.0		<25.0		<25.0		<25.0		<25.0		<25.0	
Chlorobenzene	2,000,000	100,000	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
Chloroform	120,000	6,000	<25.0		<25.0		<25.0		<25.0		<25.0		<25.0	
1,4-Dichlorobenzene	150,000	7,500	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
1,1-Dichloroethene	14,000	700	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
1,2-Dichloroethane (EDC)	10,000	500	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
Tetrachloroethene (PCE)	14,000	700	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
Trichloroethene (TCE)	10,000	500	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
Vinyl chloride	4,000	200	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
Semivolatile Organic Compounds by EPA 8270E			µg/kg dry		µg/kg dry		µg/kg dry		µg/kg dry		µg/kg dry		µg/kg dry	
Acenaphthene			47300		51600		27,400		23,000		82600		54,700	
Acenaphthylene			<3670	R-02	<4780	R-02	<3330	R-02	<4130	R-02	<5620		<6300	R-02
Anthracene			36700		43800		29,800		26,900		67900		49600	
Benz(a)anthracene			19300		25000		19,800		18,800		36400		28400	
Benzo(a)pyrene			22800		27400		26,200		19,600		39000		31100	
Benzo(b)fluoranthene			17400		23200		1							

Table 1 - Jan-Jun 2023 Filter Cake Residuals

4-Chloro-3-methylphenol			<14200		<11400		<11100		<10000		<28000		<10700	
2,4-Dichlorophenol			<7120		<5690		<5560		<5010		<14000		<5390	
2,4-Dimethylphenol			<7120		<5690		<5560		<5010		<14000		<5390	
2,4-Dinitrophenol			<35600		<28400		<27800		<25000		<70000		<26900	
4,6-Dinitro-2-methylphenol			<35600		<28400		<27800		<25000		<70000		<26900	
2-Methylphenol	4,000,000	200,000	<3560		<2840		<2780		<2500		<7000		<2690	
3+4-Methylphenol(s)			<3560		<2840		<2780		<2500		<7000		<2690	
2-Nitrophenol			<14200		<11400		<11100		<10000		<28000		<10,700	
4-Nitrophenol			<28500		<22800		<11100		<20100		<56200		<21,600	
Pentachlorophenol(PCP)	2,000,000	100,000	<14200		<11400		<11100		<10000		<28000		<10,700	
Phenol			<2850		<2280		<2230		<2010		<5620		<2,160	
2,3,4,6-Tetrachlorophenol			<7120		<5690		<5560		<5010		<14000		<5390	
2,3,5,6-Tetrachlorophenol			<7120		<5690		<5560		<5010		<14000		<5390	
2,4,5-Trichlorophenol	8,000,000	400,000	<7120		<5690		<5560		<5010		<14000		<5390	
2,4,6-Trichlorophenol	40,000	2,000	<7120		<5690		<5560		<5010		<14000		<5390	
Bis(2-ethylhexyl)phthalate			<21400		<17100		<16700		<15000		<42100		<16200	
Butyl benzyl phthalate			<14200		<11400		<11100		<10000		<28000		<10700	
Diethylphthalate			<14200		<11400		<11100		<10000		<28000		<10700	
Dimethylphthalate			<14200		<11400		<11100		<10000		<28000		<10700	
Di-n-butylphthalate			<14200		<11400		<11100		<10000		<28000		<10700	
Di-n-octyl phthalate			<14200		<11400		<11100		<10000		<28000		<10700	
N-Nitrosodimethylamine			<3560		<2840		<2780		<2500		<7000		<2690	
N-Nitroso-di-n-propylamine			<3560		<2840		<2780		<2500		<7000		<2690	
N-Nitrosodiphenylamine			<7120		<5980	R-02	<5560		<5010		<14000		<7030	R-02
Bis(2-Chloroethoxy) methane			<3560		<2840		<2780		<2500		<7000		<2690	
Bis(2-Chloroethyl) ether			<3560		<2840		<2780		<2500		<7000		<2690	
2,2'- Oxybis (1-Chloropropane)			<3560		<2840		<2780		<2500		<7000		<2690	
Hexachlorobenzene	2,600	130	<1420		<1140		<1110		<1000		<2800		<1070	
Hexachlorobutadiene	10,000	500	<3560		<2840		<2780		<2500		<7000		<2690	
Hexachlorocyclopentadiene			<7120		<5690		<5560		<5010		<14000		<5390	
Hexachloroethane	60,000	3,000	<3560		<2840		<2780		<2500		<7000		<2690	
2-Chloronaphthalene			<1420		<1140		<1110		<1000		<2800		<1070	
1,2,4-Trichlorobenzene			<3560		<2840		<2780		<2500		<7000		<2690	
4-Bromophenyl phenyl ether			<3560		<2840		<2780		<2500		<7000		<2690	
4-Chlorophenyl phenyl ether			<3560		<2840		<2780		<2500		<7000		<2690	
Aniline			<7120		<5690		<5560		<5010		<14000		<5390	
4-Chloroaniline			<3560		<2840		<2780		<2500		<7000		<2690	
2-Nitroaniline			<28500		<22800		<22300		<20100		<56200		<21600	
3-Nitroaniline			<28500		<22800		<22300		<20100		<56200		<21600	
4-Nitroaniline			<28500		<22800		<22300		<20100		<56200		<21600	
Nitrobenzene	40,000	2,000	<14200		<11400		<11100		<10000		<28000		<10700	
2,4-Dinitrotoluene	2,600	130	<14200		<11400		<11100		<10000		<28000		<10700	
2,6-Dinitrotoluene			<14200		<11400		<11100		<10000		<28000		<10700	
Benzoic acid			<178000		<143000		<139000		<126000		<351000		<135000	
Benzyl alcohol			<7120		<5690		<5560		<5010		<14000		<5390	
Isophorone			<3560		<2840		<2780		<2500		<7000		<2690	
Azobenzene (1,2-DPH)			<3560		<2840		<2780		<2500		<7000		<2690	
Bis(2-Ethylhexyl)adipate			<35600		<28400		<27800		<25000		<70000		<26900	
3,3'-Dichlorobenzidine			<28500	Q-52	<22800	Q-52	<22300	Q-52	<20100	Q-52	<56200	Q-52	<21600	Q-52
1,2-Dinitrobenzene			<35600		<28400		<27800		<25000		<70000		<26900	
1,3-Dinitrobenzene			<35600		<28400		<27800		<25000		<70000		<26900	
1,4-Dinitrobenzene			<35600		<28400		<27800		<25000		<70000		<26900	
Pyridine	100,000	5,000	<7120		<5690		<5560		<5010		<14000		<5390	
1,2-Dichlorobenzene			<3560		<2840		<2780		<2500		<7000		<2690	
1,3-Dichlorobenzene			<3560		<2840		<2780		<2500		<7000		<2690	
1,4-Dichlorobenzene	150,000	7,500	<3560		<2840		<2780		<2500		<7000		<2690	
Total Metals by EPA 6020B (ICPMS)			µg/kg dry		µg/kg dry		µg/kg dry		µg/kg dry		µg/kg dry		µg/kg dry	
Arsenic	100,000	5,000	8950		8430		9760	CONT	6360	CONT	8360		9130	CONT
Barium	2,000,000	100,000	217000		227000		220,000	CONT	178000	CONT	211000		218000	CONT
Cadmium	20,000	1,000	<526		<458		<450	CONT	<410	CONT	<418		<431	CONT
Chromium	100,000	5,000	<2630		<2290		<2250	CONT	<2050	CONT	<2090		<2150	CONT
Lead	100,000	5,000	<526		<458		635	CONT,J	<410	CONT	<418		<431	CONT
Mercury	4,000	200	<210		<183		<180	CONT	<164	CONT	<167		<172	CONT
Selenium	20,000	1,000	<2630		<2290		<2250	CONT	<2050	CONT	<2090		<2150	CONT
Silver	100,000	5,000	<526		<458		<450	CONT	<410	CONT	<418		<431	CONT
TCLP Metals by EPA 6020B (ICPMS)			µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Arsenic	100,000	5,000	<50.0		<50.0	Q-44b	<50.0	CONT,Q-44a	<50.0	CONT	<50.0		<50.0	CONT
Barium	2,000,000	100,000	<2500		<2500	Q-44b	<2500	CONT,Q-44a	<2500	CONT	<2500		<2500	CONT
Cadmium	20,000	1,000	<50.0		<50.0	Q-44b	<50.0	CONT,Q-44a	<50.0	CONT	<50.0		<50.0	CONT
Chromium	100,000	5,000	<50.0		<50.0	Q-44b	<50.0	CONT,Q-44a	<50.0	CONT	<50.0		<50.0	CONT
Lead	100,000	5,000	<25.0		<25.0	Q-44b	<25.0	CONT,Q-44a	<25.0	CONT	<25.0		<25.0	CONT
Mercury	4,000	200	<3.75		<3.75	Q-44b	<3.75	CONT,Q-44a	<3.75	CONT	<3.75		<3.75	CONT
Selenium	20,000	1,000	<50.0		<50.0	Q-44b	<50.0	CONT,Q-44a	<50.0	CONT	<50.0		<50.0	CONT
Silver	100,000	5,000	<50.0		<50.0	Q-44b	<50.0	CONT,Q-44a	<50.0	CONT	<50.0		<50.0	CONT
Total Cyanide (ug/kg dry)			5340		5420		4050		6400		5130		4100	Q-42
Percent Dry Weight														
%Solids			18.4		22.9		23.9		26.4		26.3		24.7	

NOTES:
 *If laboratory results from the totals test reported in ug/kg exceed the "20x TC Threshold" value, then see results of the TCLP test for direct comparison to actual TC regulatory levels reported in ug/L for regulatory status determination.
 B = Analyte detected in an associated blank at a level above the MRL. (See Notes and Conventions below.)
 B-02 = Analyte detected in an associated blank at a level between one-half the MRL and the MRL.
 CONT = The Sample Container provided for this analysis was not provided by Apex Laboratories, and has not been verified as part of the Apex Quality System
 ICV-02 = Estimated Result. Initial Calibration Verification (IVC) failed low.
 J = Estimated Result. Result is detected below the lowest point of the calibration curve, but above the specified MDL.
 F-13 = The chromatographic pattern does not resemble the fuel standard used for quantitation.
 M-05= Estimated results. Peak separation for structural isomers is insufficient for accurate quantification
 Q-37 = Sample is non-homogenous. Sample results are less than MRL and duplicate results have hits greater than the MRL. See Duplicate results.
 Q-42 = Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits.
 Q-44a = Room temperature during the 18 hr. TCLP tumbling procedure exceeded EPA recommended temperature range by no more than +/-2 degrees C for a maximum of 4 Hrs.
 Q-44b = Room temperature during the 18 hr. TCLP tumbling procedure exceeded EPA recommended temperature range by no more than +/-2 degrees C for a maximum of 25.7.
 Q-52 = Due to erratic or low blank spike recoveries results are considered estimated.
 R-02 = The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
 R-06 = Reporting level raised due to possible carryover from a previous sample.

Table 2 - Jan-Jun 2023 Bag Filter Residuals

Sample: (Number)			148		149		150		151		152		153	
Sample ID			BF-012423-148		BF-021923-149		BF-032123-150		BF-041823-151		BF-052323-152		BF-062023-153	
LAB ID			A3A0848-01		A3B0683-01		A3C0844-01		A3D1357-01		A3E1681-01		A3F1368-01	
	EPA Toxicity Characteristic (TC)		Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier
	20x EPA TC values in ug/kg*	Actual EPA TC values in ug/L	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Diesel (ug/kg dry)			4590000		6,350,000		5,690,000	F-13	2,480,000	F-13	9,210,000		278000	F-13,F-15
Oil (ug/kg dry)			3050000		5,540,000		4,680,000		1,390,000		7,120,000		510000	F-13,F-16
Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx (ug/)			1150000		755,000		4,540,000		433,000		348,000		<26200	
Volatile Organic Compounds by EPA 8260D			µg/kg/dry		µg/kg/dry		µg/kg/dry		µg/kg/dry		µg/kg/dry		µg/kg/dry	
Acetone			<10500		<30300		<47500		<10200		<9800		<5240	
Acrylonitrile			<1050		<3030		<4750		<1020		NA		<524	
Benzene	10,000	500	263		<303		<475		<102		<98.0		<52.4	
Bromobenzene			<263		<758		<1190		<256		<245		<131	
Bromochloromethane			<525		<1520		<2370		<511		<490		<262	
Bromodichloromethane			26100		1790	J	32,700		20,600		9460		<262	
Bromoform			6540		<3030		<9500		12,700		<1960	Q-54b	<524	
Bromomethane			<10500		<30300		<47500		<10200		<9800		<5240	
2-Butanone (MEK)	4,000,000	200,000	<5250		<15200		<23700		<5110		<4900		<2620	
n-Butylbenzene			<525		<1520		<2370		<511		<490		<262	
sec-Butylbenzene			<525		<1520		<2370		<511		<490		<262	
tert-Butylbenzene			<525		<1520		<2370		<511		<490		<262	
Carbon disulfide			<5250		<15200		<23700		<5110		NA		<2620	
Carbon tetrachloride	10,000	500	<525		<1520		<2370		<511		<980		<262	
Chlorobenzene	2,000,000	100,000	<263		<758		<1190		<256		<245		<131	
Chloroethane			<5250		<15200		<23700		<5110		<4900		<2620	
Chloroform	120,000	6,000	30100		7270		37500		20,200		22600		<262	
Chloromethane			<2630		<7580		<11900		<2560		<4900		<1310	
2-Chlorotoluene			<525		<1520		<2370		<511		<490		<262	
4-Chlorotoluene			<525		<1520		<2370		<511		<490		<262	
Dibromochloromethane			15700		<3030		21,900		24,400		3270		<524	
1,2-Dibromo-3-chloropropane			<2630		<7580		<11900		<2560		<2450		<1310	
1,2-Dibromoethane (EDB)			<525		<1520		<2370		<511		<490		<262	
Dibromomethane			<525		<1520		<2370		<511		<490		<262	
1,2-Dichlorobenzene			<263		<758		<1190		<256		<245		<131	
1,3-Dichlorobenzene			<263		<758		<1190		<256		<245		<131	
1,4-Dichlorobenzene	150,000	7,500	<263		<758		<1190		<256		<245		<131	
Dichlorodifluoromethane			<1050		<6060	ICV-02	<4750		<1020		<1960		<524	
1,1-Dichloroethane			<263		<758		<1190		<256		<245		<131	
1,2-Dichloroethane (EDC)	10,000	500	<263		<758		<1190		<256		<245		<131	
1,1-Dichloroethene	14,000	700	<263		<758		<1190		<256		<245		<131	
cis-1,2-Dichloroethene			<263		<758		<1190		<256		<245		<131	
trans-1,2-Dichloroethene			<263		<758		<1190		<256		<245		<131	
1,2-Dichloropropane			<263		<758		<1190		<256		<245		<131	
1,3-Dichloropropane			<525		<1520		<2370		<511		<490		<262	
2,2-Dichloropropane			<525		<1520		<2370		<511		<490		<262	
1,1-Dichloropropene			<525		<1520		<2370		<511		<490		<262	
cis-1,3-Dichloropropene			<525		<1520		<2370		<511		<490		<262	
trans-1,3-Dichloropropene			<525		<1520		<2370		<511		<490		<262	
Ethylbenzene			1290		<758		2660		552		402	J	<131	
Hexachlorobutadiene	10,000	500	<1050		<3030		<4750		<1020		<980		<524	
2-Hexanone			<10500		<15200		<47500		<5110		<4900		<5240	
Isopropylbenzene			<525		<1520		<2370		<511		<490		<262	
4-Isopropyltoluene			<525		<1520		<2370		<511		<490		<262	
Methylene chloride			<5250		<15200		<23700		<5110		<4900		<2620	
4-Methyl-2-pentanone (MIBK)			<5250		<15200		<47500		<5110		<4900		<2620	
Methyl tert-butyl ether (MTBE)			<525		<1520		<2370		<511		<490		<262	
Naphthalene			108000		158000		201,000		26,700		30100		<524	
n-Propylbenzene			<263		<758		<1190		<256		<245		<131	
Styrene			<525		<1520		<2370		<511		<490		<262	
1,1,1,2-Tetrachloroethane			<263		<758		<1190		<256		<245		<131	
1,1,2,2-Tetrachloroethane			<525		<1520		<2370		<511		<490		<262	
Tetrachloroethene (PCE)	14,000	700	<263		<758		<1190		<256		<245		<131	
Toluene			<525		<1520		<2370		<511		<490		<262	
1,2,3-Trichlorobenzene			<2630		<7580		<11900		<2560		<4900		<1310	
1,2,4-Trichlorobenzene			<2630		<7580		<11900		<2560		<2450		<1310	
1,1,1-Trichloroethane			<263		<758		<1190		<256		<245		<131	
1,1,2-Trichloroethane			<263		<758		<1190		<256		<245		<131	
Trichloroethene (TCE)	10,000	500	<263		<758		<1190		<256		<245		<131	
Trichlorofluoromethane			<1050		<3030		<4750		<1020		<1960		<524	
1,2,3-Trichloropropane			<525		<1520		<2370		<511		<490		<262	
1,2,4-Trimethylbenzene			1500		1610	J	6,460		1030		833	J	<262	
1,3,5-Trimethylbenzene			<525		<1520		<2370		<511		<490		<262	
Vinyl chloride	4,000	200	<263		<758		<1190		<256		<245		<131	
m,p-Xylene			830	J	<1520		2,610	J	716	J	<490		<262	
o-Xylene			725		<758		1,850	J	542		304	J	<131	
TCLP Volatile Organic Compounds by EPA1311/8260D			µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Benzene	10,000	500	<6.25		<6.25		<6.25		<12.5		<6.25		<6.25	
2-Butanone (MEK)	4,000,000	200,000	<250		<250		<250		<250		<250		<250	
Carbon tetrachloride	10,000	500	<25.0		<25.0		<25.0		<25.0		<25.0		<25.0	
Chlorobenzene	2,000,000	100,000	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
Chloroform	120,000	6,000	137		67.0		104		69.5		103		<25.0	
1,4-Dichlorobenzene	150,000	7,500	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
1,1-Dichloroethene	14,000	700	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
1,2-Dichloroethane (EDC)	10,000	500	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
Tetrachloroethene (PCE)	14,000	700	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
Trichloroethene (TCE)	10,000	500	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
Vinyl chloride	4,000	200	<12.5		<12.5		<12.5		<12.5		<12.5		<12.5	
Semivolatile Organic Compounds by EPA 8270E			µg/kg/dry		µg/kg/dry		µg/kg/dry		µg/kg/dry		µg/kg/dry		µg/kg/dry	
Acenaphthene			<2970		8510		<3360		<2860		<19300		3660	
Acenaphthylene			<2970		<2170		<3360		<2860		<19300		<923	R-02
Anthracene			<2970		<4350		<6750		<2860		<19300		3640	
Benz(a)anthracene			<5950		<5700	R-02	3,440	J	<2860		23500	J	4350	
Benzo(a)pyrene			<4460		<3260		6,190	J	<4300		<29000		4650	
Benzo(b)fluoranthene</														

Table 2 - Jan-Jun 2023 Bag Filter Residuals

Dibenzofuran			13800		22600		26,500		10500		171000		553	J
2-Chlorophenol			<14900		<10900		<16900		<14300		<96700		<2050	
4-Chloro-3-methylphenol			<29700		<21700		<33600		<28600		<193000		<4090	
2,4-Dichlorophenol			<14900		<10900		<16900		<14300		<96700		<2050	
2,4-Dimethylphenol			<14900		<10900		<16900		<14300		<96700		<2050	
2,4-Dinitrophenol			<74200		<54300		<84200		<71600		<483000		<10200	
4,6-Dinitro-2-methylphenol			<74200		<54300		<84200		<71600		<483000		<10200	
2-Methylphenol	4,000,000	200,000	<7420		<5430		<8420		<7160		<48300		<1020	
3+4-Methylphenol(s)			<7420		<5430		<8420		<7160		<48300		<1020	
2-Nitrophenol			<29700		<21700		<33600		<28600		<193000		<4090	
4-Nitrophenol			<29700		<21700		<33600		<28600		<193000		<8210	
Pentachlorophenol(PCP)	2,000,000	100,000	<29700		<21700		<33600		<28600		<193000		<4090	
Phenol			<5950		<4350		<6750		<5740		<38700		<821	
2,3,4,6-Tetrachlorophenol			<14900		<10900		<16900		<14300		<96700		<2050	
2,3,5,6-Tetrachlorophenol			<14900		<10900		<16900		<14300		<96700		<2050	
2,4,5-Trichlorophenol	8,000,000	400,000	<14900		<10900		<33600		<28600		<193000		<2050	
2,4,6-Trichlorophenol	40,000	2,000	<14900		<10900		<16900		<28600		<193000		<2050	
Bis(2-ethylhexyl)phthalate			<44600		<32600		<50600		<43000		<290000		<6150	
Butyl benzyl phthalate			<29700		<21700		<33600		<28600		<193000		<4090	
Diethylphthalate			<29700		<21700		<33600		<28600		<193000		<4090	
Dimethylphthalate			<29700		<21700		<33600		<28600		<193000		<4090	
Di-n-butylphthalate			<29700		<21700		<33600		<28600		<193000		<4090	
Di-n-octyl phthalate			<29700		<21700		<33600		<28600		<193000		<4090	
N-Nitrosodimethylamine			<7420		<5430		<8420		<7160		<48300		<1020	
N-Nitroso-di-n-propylamine			<14900		<5430		<16900		<14300		<96700		<1020	
N-Nitrosodiphenylamine			<7420		<5430		<8420		<7160		<48300		<2050	
Bis(2-Chloroethoxy) methane			<7420		<5430		<8420		<7160		<48300		<1020	
Bis(2-Chloroethyl) ether			<7420		<5430		<8420		<7160		<48300		<1020	
2,2'- Oxybis (1-Chloropropane)			<7420		<5430		<8420		<7160		<48300		<1020	
Hexachlorobenzene	2,600	130	<2970		<2170		<3360		<2860		<19300		<409	
Hexachlorobutadiene	10,000	500	<7420		<5430		<8420		<7160		<48300		<1020	
Hexachlorocyclopentadiene			<14900		<10900		<16900		<14300		<96700		<2050	
Hexachloroethane	60,000	3,000	<7420		<5430		<8420		<7160		<48300		<1020	
2-Chloronaphthalene			<2970		<2170		<3360		<2860		<19300		<409	
1,2,4-Trichlorobenzene			<7420		<5430		<8420		<7160		<48300		<1020	
4-Bromophenyl phenyl ether			<7420		<5430		<8420		<7160		<48300		<1020	
4-Chlorophenyl phenyl ether			<7420		<5430		<8420		<7160		<48300		<1020	
Aniline			<14900		<10900		<16900		<14300		<96700		<2050	
4-Chloroaniline			<7420		<5430		<8420		<7160		<48300		<1020	
2-Nitroaniline			<59500		<43500		<67500		<57400		<387000		<8210	
3-Nitroaniline			<59500		<43500		<67500		<57400		<387000		<8210	
4-Nitroaniline			<59500		<43500		<67500		<57400		<387000		<8210	
Nitrobenzene	40,000	2,000	<29700		<21700		<33600		<28600		<193000		<4090	
2,4-Dinitrotoluene	2,600	130	<29700		<21700		<33600		<28600		<193000		<4090	
2,6-Dinitrotoluene			<29700		<21700		<33600		<28600		<193000		<4090	
Benzoic acid			<372000		<272000		<422000		<359000		<4830000		<51400	
Benzyl alcohol			<14900		<10900		<16900		<14300		<96700		<2050	
Isophorone			<23200	R-02	<10900		<32900	R-02	<24700	R-02	<197000	R-02	<1020	
Azobenzene (1,2-DPH)			<7420		<5430		<8420		<7160		<48300		<1020	
Bis(2-Ethylhexyl)adipate			<74200		<54300		<84200		<71600		<483000		<10200	
3,3'-Dichlorobenzidine			<59500	Q-52	<43500	Q-52	<67500	Q-52	<57400	Q-52	<387000	Q-52	<8210	Q-52
1,2-Dinitrobenzene			<74200		<54300		<84200		<71600		<483000		<10200	
1,3-Dinitrobenzene			<74200		<54300		<84200		<71600		<483000		<10200	
1,4-Dinitrobenzene			<74200		<54300		<84200		<71600		<483000		<10200	
Pyridine	100,000	5,000	<14900		<10900		<16900		<14300		<96700		<2050	
1,2-Dichlorobenzene			<7420		<5430		<8420		<7160		<48300		<1020	
1,3-Dichlorobenzene			<7420		<5430		<8420		<7160		<48300		<1020	
1,4-Dichlorobenzene	150,000	7,500	<7420		<5430		<8420		<7160		<48300		<1020	
Total Metals by EPA 6020B(ICPMS)			ug/kg/dry		ug/kg/dry		ug/kg/dry		ug/kg/dry		ug/kg/dry		ug/kg/dry	
Arsenic	100,000	5,000	222000		179000		158,000		105,000		142000		8490	
Barium	2,000,000	100,000	118000		115000		118,000		119,000		190000		198,000	
Cadmium	20,000	1,000	<1090		<856		<1320		<1100		<1170		<672	
Chromium	100,000	5,000	35200		33500		52,800		54,300		37400		3,640	J
Lead	100,000	5,000	6140		13000		4,700		27,700		4190		1290	J
Mercury	4,000	200	<436		<342		<529		<440		<467		<269	
Selenium	20,000	1,000	<5450		<4280		<6610		<5500		<5840		<3360	
Silver	100,000	5,000	<1090		<856		<1320		<1100		<1170		<672	
TCLP Metals by EPA 6020B (ICPMS)			µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Arsenic	100,000	5,000	<50.0		<50.0	Q-44c	<100	Q-44a	<50.0		<100		<50.0	
Barium	2,000,000	100,000	<2500		<2500	Q-44c	<2500	Q-44a	<2500		<2500		<2500	
Cadmium	20,000	1,000	<50.0		<50.0	Q-44c	<50.0	Q-44a	<50.0		<50.0		<50.0	
Chromium	100,000	5,000	<50.0		<50.0	Q-44c	<50.0	Q-44a	<50.0		<50.0		<50.0	
Lead	100,000	5,000	<25.0		<25.0	Q-44c	<25.0	Q-44a	<25.0		<25.0		<25.0	
Mercury	4,000	200	<3.75		<3.75	Q-44c	<3.75	Q-44a	<3.75		<3.75		<3.75	
Selenium	20,000	1,000	<50.0		<50.0	Q-44c	<50.0	Q-44a	<50.0		<50.0		<50.0	
Silver	100,000	5,000	<50.0		<50.0	Q-44c	<50.0	Q-44a	<50.0		<50.0		<50.0	
Total Cyanide (ug/kg dry)			24500		20200		Q-42		21,000		14,000		34600	
Percent Dry Weight by EPA 8000C or Free Liquid (mL)			%Solids		8.94		12.2		7.88		Q-42		9.18	
													9.07	
													16.2	

NOTES:
 *If laboratory results from the totals test reported in ug/kg exceed the "20x TC Threshold" value, then see results of the TCLP test for direct comparison to actual TC regulatory levels reported in ug/L for regulatory status determination.
 B = Analyte detected in an associated blank at a level above the MRL. (See Notes and Conventions below.)
 B-02 = Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
 F-13 = The chromatographic pattern does not resemble the fuel standard used for quantitation
 F-15 = Results for diesel are estimated due to overlap from the reported oil result.
 F-16 = Results for oil are estimated due to overlap from the reported diesel result.
 ICV-02 = Estimated Result. Initial Calibration Verification (IVC) failed low.
 J = Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
 M-05 = Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
 Q-42 = Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits.
 Q-44a = Room temperature during the 18 hr. TCLP tumbling procedure exceeded EPA recommended temperature range by no more than +/-2 degrees C for a maximum of 4.0 hours.
 Q-44c = Room temperature during the 18 hr. TCLP tumbling procedure exceeded EPA recommended temperature range by no more than +/-2 degrees C for a maximum of 4.5 hours.
 Q-52 = Due to erratic or low blank spike recoveries, results for this analyte are considered Estimated Values.
 Q-54b = Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260C/8270D by -11%. The results are reported as Estimated Values.
 R-02 = The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

Table 3A - January 2023 Process Control Sampling Charted Lab Results

Location	Siltronic Influent (SI)		Siltronic Effluent (SE)		KOP		NW Natural Influent (NWI)		NW Natural Effluent (NWE)		Fill WBZ Interceptor Trench Influent (TWIA)		Fill WBZ Interceptor Trench Influent (TWIB)		Fill WBZ Interceptor Trench Effluent (TWE)		Treatment Plant Combined Influent (TPI)	
Sample ID	SI-012523-98		SE-012523-98		KOP-012523-98		NWI-012523-98		NWE-012523-98		TWIA-012523-98		TWIB-012523-98		TWE-012523-98		TPI-012523-98	
Laboratory ID	A3A0844-01		A3A0844-02		A3A0844-03		A3A0844-04		A3A0844-05		A3A0844-06		A3A0844-07		A3A0844-08		A3A0844-09	
	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier
VOC (ug/L)																		
Acetone	<100		<20.0		<20.0		<40.0		<20.0		<400		<2000		<40.0		<40.0	
Acrylonitrile	<10.0		<2.00		<2.00		<4.00		<2.00		<40.0		<200		<4.00		<4.00	
Benzene	130		19.0		1510		253		112		2120		11300		282		104	
Bromobenzene	<1.25		<0.250		<0.250		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Bromochloromethane	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Bromodichloromethane	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Bromoform	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Bromomethane	<25.0		<5.00		<5.00		<10.0		<5.00		<100		<500		<10.0		<10.0	
2-Butanone (MEK)	<25.0		<5.00		<5.00		<10.0		<5.00		<100		<500		<10.0		<10.0	
n-Butylbenzene	<2.50		<0.500		<0.500		<2.00		<0.500		<10.0		<50.0		<1.00		<1.00	
sec-Butylbenzene	<2.50		<0.500		<1.00		1.64	J	<0.500		<10.0		<50.0		<1.00		<1.00	
tert-Butylbenzene	<2.50		1.29		15.6		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Carbon disulfide	<25.0		<5.00		<5.00		<10.0		<5.00		<100		<500		<10.0		<10.0	
Carbon tetrachloride	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Chlorobenzene	1.60	J	0.640		<0.250		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Chloroethane	<25.0		<5.00		<5.00		<10.0		<5.00		<100		<500		<10.0		<10.0	
Chloroform	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Chloromethane	<25.0		<5.00		<5.00		<10.0		<5.00		<100		<500		<10.0		<10.0	
2-Chlorotoluene	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
4-Chlorotoluene	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Dibromochloromethane	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,2-Dibromo-3-chloropropane	<12.5		<2.50		<2.50		<5.00		<2.50		<50.0		<250		<5.00		<5.00	
1,2-Dibromoethane (EDB)	<1.25		<0.250		<0.250		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Dibromomethane	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,2-Dichlorobenzene	1.30	J	0.450	J	<0.250		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
1,3-Dichlorobenzene	<1.25		<0.250		<0.250		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
1,4-Dichlorobenzene	<1.25		<0.250		<0.250		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Dichlorodifluoromethane	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,1-Dichloroethane	<1.00		<0.200		<0.200		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,2-Dichloroethane (EDC)	<1.00		<0.200		<0.200		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,1-Dichloroethene	<1.00		<0.200		<0.200		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
cis-1,2-Dichloroethene	2.15		0.480		<0.200		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
trans-1,2-Dichloroethene	<1.00		<0.200		<0.200		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,2-Dichloropropane	<1.25		<0.250		<0.250		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
1,3-Dichloropropane	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
2,2-Dichloropropane	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,1-Dichloropropene	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
cis-1,3-Dichloropropene	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
trans-1,3-Dichloropropene	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Ethylbenzene	83.8		11.2		168		19.4		6.79		126		502		14.8		10.2	
Hexachlorobutadiene	<12.5		<2.50		<2.50		<5.00		<2.50		<50.0		<250		<5.00		<5.00	
2-Hexanone	<50.0		<10.0		<10.0		<20.0		<10.0		<200		<1000		<20.0		<20.0	
Isopropylbenzene	5.35		0.710	J	3.85		2.56		0.570	J	18.2	J	62.0	J	1.56	J	1.18	J
4-Isopropyltoluene	2.65	J	0.550	J	2.06	M-02	2.18	M-02	<0.500		<10.0		<50.0		1.10	J	1.00	J
Methylene chloride	<25.0		<5.00		<5.00		<10.0		<5.00		<100		<500		<10.0		<10.0	
4-Methyl-2-pentanone (MIBK)	<25.0		<5.00		<5.00		<10.0		<5.00		<100		<500		<10.0		<10.0	
Methyl tert-butyl ether (MTBE)	<2.50		1.27		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
n-Propylbenzene	2.15	J	<0.250		0.820		0.820	J	<0.250		5.60	J	<25.0		<0.500		<0.500	
Styrene	<5.00		<1.00		56.0		3.24	J	1.24	J	<20.0		<100		<2.00		<2.00	
1,1,1,2-Tetrachloroethane	<1.00		<0.200		<0.200		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,1,2,2-Tetrachloroethane	<1.25		<0.250		<0.250		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Tetrachloroethene (PCE)	<1.00		<0.200		0.250	J	<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
Toluene	2.85		0.810		1230		78.4		37.9		11.2		366		15.7		13.2	
1,2,3-Trichlorobenzene	<5.00		<1.00		<1.00		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
1,2,4-Trichlorobenzene	<5.00		<1.00		<1.00		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
1,1,1-Trichloroethane	<1.00		<0.200		<0.200		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,1,2-Trichloroethane	<1.25		<0.250		<0.250		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Trichloroethene (TCE)	<1.00		<0.200		<0.200		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
Trichlorofluoromethane	<5.00		<1.00		<1.00		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
1,2,3-Trichloropropane	<2.50		<0.500		<0.500		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,2,4-Trimethylbenzene	19.5		4.39		69.4		20.5		2.47		38.0		102		6.04		4.62	
1,3,5-Trimethylbenzene	6.05		1.41		26.3		7.44		1.05		11.6	J	56.0	J	1.94	J	1.72	J
Vinyl chloride	3.90		0.195		<0.400		<0.800		<0.400		<8.00		<40.0		<0.800		<0.800	
m,p-Xylene	28.4		6.18		386		33.7		10.6		45.0		182		7.82		7.28	
o-Xylene	21.0		5.08		174		16.7		5.98		44.0		157		8.96		6.22	
Polyaromatic Hydrocarbons (PAHs) SVOC (ug/L)																		
Acenaphthene	118		127		63.8		32.4		19.3		66.4		753		208		129	
Acenaphthylene	<10.4		<4.35		15.2		<2.69	R-02	4.11		<4.17		<39.8					

Table 3B - February 2023 Process Control Sampling Charted Lab Results

Location	Siltronic Influent (SI)		Siltronic Effluent (SE)		KOP		NW Natural Influent (NWI)		NW Natural Effluent (NWE)		Fill WBZ Interceptor Trench Influent (TWIA)		Fill WBZ Interceptor Trench Influent (TWIB)		Fill WBZ Interceptor Trench Effluent (TWE)		Treatment Plant Combined Influent (TPI)	
Sample ID	SI-022223-99		SE-022223-99		KOP-		NWI-022223-99		NWE-022223-99		TWIA-022223-99		TWIB-022223-99		TWE-022223-99		TPI-022223-99	
Laboratory ID	A3B0757-01		A3B0757-02				A3B0757-03		A3B0757-04		A3B0757-05		A3B0757-06		A3B0757-07		A3B0757-08	
	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier
Volatile Organic Compounds by EPA 8260D (ug/L)																		
Acetone	<100		<10.0				<50.0		<10.0		<100		<1000		<50.0		<10.0	
Acrylonitrile	>10.0		<1.00				<5.00		<1.00		<10.0		<100		<5.00		<1.00	
Benzene	196		33.7				144		71.0		1580		9160		370		155	
Bromobenzene	<2.50		<0.250				<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Bromochloromethane	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Bromodichloromethane	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Bromoform	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Bromomethane	<50.0		<5.00				<25.0		<5.00		<50.0		<500		<25.0		<5.00	
2-Butanone (MEK)	<50.0		<5.00				<25.0		<5.00		<50.0		<500		<25.0		<5.00	
n-Butylbenzene	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
sec-Butylbenzene	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
tert-Butylbenzene	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Carbon disulfide	<50.0		<5.00				<25.0		<5.00		<50.0		<500		<25.0		<5.00	
Carbon tetrachloride	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Chlorobenzene	4.70	J	1.17				<1.25		<0.250		<2.50		<25.0		<1.25		0.300	J
Chloroethane	<50.0		<5.00				<25.0		<5.00		<50.0		<500		<25.0		<5.00	
Chloroform	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Chloromethane	<25.0		<2.50				<12.5		<2.50		<25.0		<250		<12.5		<2.50	
2-Chlorotoluene	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
4-Chlorotoluene	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Dibromochloromethane	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
1,2-Dibromo-3-chloropropane	<25.0		<2.50				<12.5		<2.50		<25.0		<250		<12.5		<2.50	
1,2-Dibromoethane (EDB)	<2.50		<0.250				<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Dibromomethane	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
1,2-Dichlorobenzene	<2.50		0.610				<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
1,3-Dichlorobenzene	<2.50		<0.250				<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
1,4-Dichlorobenzene	<2.50		<0.250				<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Dichlorodifluoromethane	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<5.00		<1.00	
1,1-Dichloroethane	<2.00		<0.200				<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
1,2-Dichloroethane (EDC)	<2.00		<0.200				<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
1,1-Dichloroethene	<2.00		<0.200				<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
cis-1,2-Dichloroethene	4.60		0.870				<1.00		<0.200		<2.00		<20.0		<1.00		0.270	J
trans-1,2-Dichloroethene	<2.00		<0.200				<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
1,2-Dichloropropane	<2.50		<0.250				<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
1,3-Dichloropropane	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
2,2-Dichloropropane	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<5.00		<1.00	
1,1-Dichloropropene	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
cis-1,3-Dichloropropene	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
trans-1,3-Dichloropropene	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Ethylbenzene	141		21.1				4.90		2.85		85.1		601		20.0		12.6	
Hexachlorobutadiene	<25.0		<2.50				<12.5		<2.50		<25.0		<250		<12.5		<2.50	
2-Hexanone	<100		<10.0				<50.0		<10.0		<100		<1000		<25.0		<5.00	
Isopropylbenzene	6.70	J	0.850	J			<2.50		<0.500		9.70	J	<50.0		<2.50		0.670	J
4-Isopropyltoluene	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Methylene chloride	<50.0		<5.00				<25.0		<5.00		<50.0		<500		<25.0		<5.00	
4-Methyl-2-pentanone (MIBK)	<50.0		<5.00				<25.0		<5.00		<50.0		<500		<25.0		<5.00	
Methyl tert-butyl ether (MTBE)	<5.00		1.46				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
n-Propylbenzene	2.50	J	0.380	J			<1.25		<0.250		4.90	J	<25.0		<1.25		<0.250	
Stryrene	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
1,1,1,2-Tetrachloroethane	<2.00		<0.200				<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
1,1,2,2-Tetrachloroethane	<2.50		<0.250				<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Tetrachloroethene (PCE)	<2.00		<0.200				<1.00		<0.200		<2.00		<20.0		<1.00		0.220	J
Toluene	6.20		0.980				<1.25		<0.250		15.3		334		12.3		4.03	
1,2,3-Trichlorobenzene	<10.0		<1.00				<5.00		<1.00		<10.0		<100		<5.00		<1.00	
1,2,4-Trichlorobenzene	<10.0		<1.00				<5.00		<1.00		<10.0		<100		<5.00		<1.00	
1,1,1-Trichloroethane	<2.00		<0.200				<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
1,1,2-Trichloroethane	<2.50		<0.250				<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Trichloroethene (TCE)	<2.00		<0.200				<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
Trichlorofluoromethane	<10.0		<1.00				<5.00		<1.00		<10.0		<100		<5.00		<1.00	
1,2,3-Trichloropropane	<5.00		<0.500				<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
1,2,4-Trimethylbenzene	40.8		9.55				<2.50		0.840	J	27.2		85.0	J	7.90		5.35	
1,3,5-Trimethylbenzene	11.6		2.28				<2.50		<0.500		<5.00		<50.0		<2.50		1.33	
Vinyl chloride	6.60		0.370	J			<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
m,p-Xylene	82.3		14.0				3.00	J	0.960	J	38.1		163		7.90		6.14	
o-Xylene	46.9		10.3				2.00	J	1.05		26.3		163		10.6		6.77	
Polyaromatic Hydrocarbons (PAHs) by EPA 8270# (SIM) (ug/L)																		
Acenaphthene	215		117				13.1		8.44		69.4		630		178		92.3	
Acenaphthylene	<10.8		<4.40				<0.889	R-02	<0.460		<4.44		<24.1		<3.56	R-02	<3.04	R-02
Anthracene	26.7		17.9				4.63		1.12		<4.44		171		18.1		12.0	
Benz(a)anthracene	<10.8		<4.40				0.395	J	<0.460		<4.44		74.7		<0.889		1.49	J
Benzo(a)pyrene	<10.8		<4.40				<0.222		<0.460									

Table 3C - March 2023 Process Control Sampling Charted Lab Results

Location	Silttronic Influent (SI)		Silttronic Effluent (SE)		KOP		NW Natural Influent (NWI)		NW Natural Effluent (NWE)		Fill WBZ Interceptor Trench Influent (TWIA)		Fill WBZ Interceptor Trench Influent (TWIB)		Fill WBZ Interceptor Trench Effluent (TWE)		Treatment Plant Combined Influent (TPI)	
Sample ID	SI-032223-100		SE-032223-100		KOP-032223-100		NWI-032223-100		NWE-032223-100		TWIA-032223-100		TWIB-032223-100		TWE-032223-100		TPI-032223-100	
Laboratory ID	A3C0830-01		A3C0830-02		A3C0830-03		A3C0830-04		A3C0830-05		A3C0830-06		A3C0830-07		A3C0830-08		A3C0830-09	
	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier
Volatile Organic Compounds by EPA 8260D (ug/L)																		
Acetone	<50.0		<10.0		<100		<40.0		26.7		<200		<1000		<40.0		<20.0	
Acrylonitrile	<5.00		<1.00		<10.0		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
Benzene	246		134		1600		903		114		1620		8890		397		168	
Bromobenzene	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Bromochloromethane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Bromodichloromethane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Bromoform	<2.50		<0.500		<5.00		<1.00		<0.500		<20.0		<50.0		<1.00		<1.00	
Bromomethane	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
2-Butanone (MEK)	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
n-Butylbenzene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
sec-Butylbenzene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
tert-Butylbenzene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Carbon disulfide	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
Carbon tetrachloride	<2.50		<0.500		<5.00		<1.00		<0.500		<20.0		<50.0		<1.00		<1.00	
Chlorobenzene	5.00		2.74		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		0.780	J
Chloroethane	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
Chloroform	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Chloromethane	<12.5		<2.50		<25.0		<5.00		<2.50		<50.0		<250		<5.00		<5.00	
2-Chlorotoluene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
4-Chlorotoluene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Dibromochloromethane	<2.50		<0.500		<5.00		<1.00		<0.500		<20.0		<50.0		<1.00		<1.00	
1,2-Dibromo-3-chloropropane	<12.5		<2.50		<25.0		<5.00		<2.50		<100	Q-54q	<250		<5.00		<5.00	
1,2-Dibromoethane (EDB)	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Dibromomethane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,2-Dichlorobenzene	2.00	J	1.36		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
1,3-Dichlorobenzene	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
1,4-Dichlorobenzene	<1.25		0.330	J	<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Dichlorodifluoromethane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,1-Dichloroethane	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,2-Dichloroethane (EDC)	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,1-Dichloroethene	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
cis-1,2-Dichloroethene	4.10		2.42		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		0.860	
trans-1,2-Dichloroethene	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,2-Dichloropropane	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
1,3-Dichloropropane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
2,2-Dichloropropane	<2.50		<0.500		<5.00		<1.00		<0.500		<20.0	Q-54r	<50.0		<1.00		<1.00	
1,1-Dichloropropene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
cis-1,3-Dichloropropene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
trans-1,3-Dichloropropene	<2.50		<0.500		<5.00		<1.00		<0.500		<20.0	Q-54o	<50.0		<1.00		<1.00	
Ethylbenzene	172		87.3		136		71.0		5.57		108		659		28.8		29.1	
Hexachlorobutadiene	<12.5		<2.50		<25.0		<5.00		<2.50		<50.0		<250		<5.00		<5.00	
2-Hexanone	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
Isopropylbenzene	8.40		3.79		<5.00		1.82	J	<0.500		14.2	J	<50.0		1.92	J	1.46	J
4-Isopropyltoluene	<2.50		0.800	J	<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Methylene chloride	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
4-Methyl-2-pentanone (MIBK)	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
Methyl tert-butyl ether (MTBE)	<2.50		2.01		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
n-Propylbenzene	3.35		1.50		<2.50		<0.500		<0.250		5.80	J	<25.0		0.720	J	0.600	J
Stryrene	<2.50		<0.500		112		58.6		<0.500		<10.0		<50.0		<1.00		<1.00	
1,1,1,2-Tetrachloroethane	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,1,2,2-Tetrachloroethane	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Tetrachloroethene (PCE)	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
Toluene	6.35		2.83		1510		831		42.3		15.4	J	280		17.3		5.72	
1,2,3-Trichlorobenzene	<5.00		<1.00		<10.0		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
1,2,4-Trichlorobenzene	<5.00		<1.00		<10.0		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
1,1,1-Trichloroethane	<1.00		<0.200		<2.00		<0.400		<0.200		<8.00		<20.0		<0.400		<0.400	
1,1,2-Trichloroethane	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Trichloroethene (TCE)	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
Trichlorofluoromethane	<5.00		<1.00		<10.0		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
1,2,3-Trichloropropane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,2,4-Trimethylbenzene	58.0		35.6		62.9		37.5		2.39		42.2		106		11.4		10.2	
1,3,5-Trimethylbenzene	16.0		8.21		23.1		13.3		0.810	J	<10.0		<50.0		2.50		2.78	
Vinyl chloride	5.00	Q-54	1.57	Q-54	<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.800	
m,p-Xylene	104		51.0		476		234		13.0		60.6		190	Q-42	12.8		15.4	
o-Xylene	64.5		38.6		218		115		7.52		46.8		204	Q-42	16.5		13.5	
Polyaromatic Hydrocarbons (PAHs) by EPA 8270# (SIM) (ug/L)																		
Acenaphthene	75.0		123		79.8		48.1		13.0		90.2		845		212		109	
Acenaphthylene	<10.3		<4.12		52.5		27.3		2.94		<4.08							

Table 3D - April Process Control Sampling Charted Lab Results

Location	Siltronic Influent (SI)		Siltronic Effluent (SE)		KOP		NW Natural Influent (NWI)		NW Natural Effluent (NWE)		Fill WBZ Interceptor Trench Influent (TWIA)		Fill WBZ Interceptor Trench Influent (TWIB)		Fill WBZ Interceptor Trench Effluent (TWE)		Treatment Plant Combined Influent (TPI)	
Sample ID	SI-041923-101		SE-041923-101		KOP-041923-101		NWI-041923-101		NWE-041923-101		TWIA-041923-101		TWIB-041923-101		TWE-041923-101		TPI-041923-101	
Laboratory ID	A3D1353-01		A3D1353-02		A3D1353-03		A3D1353-04		A3D1353-05		A3D1353-06		A3D1353-07		A3D1353-08		A3D1353-09	
	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier
Volatile Organic Compounds by EPA 8260D (ug/L)																		
Acetone	<100		<10.0		<100		<50.0		<10.0		<100		<1000		<50.0		<10.0	
Acrylonitrile	<10.0		<1.00		<10.0		<5.00		<1.00		<10.0		<100		<5.00		<1.00	
Benzene	124		22.1		666		341		108		1150		8540		462		187	
Bromobenzene	<2.50		<0.250		<2.50		<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Bromochloromethane	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Bromodichloromethane	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Bromoform	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Bromomethane	<50.0		<5.00		<50.0		<25.0		<5.00		<50.0		<500		<25.0		<5.00	
2-Butanone (MEK)	<50.0		<5.00		<50.0		<25.0		<5.00		<50.0		<500		<25.0		<5.00	
n-Butylbenzene	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
sec-Butylbenzene	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
tert-Butylbenzene	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Carbon disulfide	<50.0		<5.00		<50.0		<25.0		<5.00		<50.0		<500		<25.0		<5.00	
Carbon tetrachloride	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Chlorobenzene	<2.50		0.490	J	<2.50		<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Chloroethane	<50.0		<5.00		<50.0		<25.0		<5.00		<50.0		<500		<25.0		<5.00	
Chloroform	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Chloromethane	<25.0		<2.50		<25.0		<12.5		<2.50		<25.0		<250		<12.5		<2.50	
2-Chlorotoluene	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
4-Chlorotoluene	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Dibromochloromethane	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
1,2-Dibromo-3-chloropropane	<25.0		<2.50		<25.0		<12.5		<2.50		<25.0		<250		<12.5		<2.50	
1,2-Dibromoethane (EDB)	<2.50		<0.250		<2.50		<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Dibromomethane	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
1,2-Dichlorobenzene	<2.50		0.400	J	<2.50		<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
1,3-Dichlorobenzene	<2.50		<0.250		<2.50		<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
1,4-Dichlorobenzene	<2.50		<0.250		<2.50		<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Dichlorodifluoromethane	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
1,1-Dichloroethane	<2.00		<0.200		<2.00		<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
1,2-Dichloroethane (EDC)	<2.00		<0.200		<2.00		<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
1,1-Dichloroethene	<2.00		<0.200		<2.00		<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
cis-1,2-Dichloroethene	3.20	J	0.570		<2.00		<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
trans-1,2-Dichloroethene	<2.00		<0.200		<2.00		<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
1,2-Dichloropropane	<2.50		<0.250		<2.50		<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
1,3-Dichloropropane	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
2,2-Dichloropropane	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
1,1-Dichloropropene	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
cis-1,3-Dichloropropene	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
trans-1,3-Dichloropropene	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
Ethylbenzene	41.9		7.45		49.1		23.6		4.89		74.7		482		28.5		16.1	
Hexachlorobutadiene	<25.0		<2.50		<25.0		<12.5		<2.50		<25.0		<250		<12.5		<2.50	
2-Hexanone	<50.0		<5.00		<50.0		<25.0		<5.00		<50.0		<500		<25.0		<5.00	
Isopropylbenzene	<5.00		<0.500		<5.00		<2.50		<0.500		8.60	J	<50.0		<2.50		1.22	
4-Isopropyltoluene	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		0.520	J
Methylene chloride	<50.0		<5.00		<50.0		<25.0		<5.00		<50.0		<500		<25.0		<5.00	
4-Methyl-2-pentanone (MIBK)	<50.0		<5.00		<50.0		<25.0		<5.00		<50.0		<500		<25.0		<5.00	
Methyl tert-butyl ether (MTBE)	<5.00		1.54		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
n-Propylbenzene	<2.50		<0.250		<2.50		<1.25		<0.250		4.10	J	<25.0		<1.25		0.570	
Stryrene	<5.00		<0.500		16.5		6.20		<0.500		<5.00		<50.0		<2.50		<0.500	
1,1,1,2-Tetrachloroethane	<2.00		<0.200		<2.00		<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
1,1,2,2-Tetrachloroethane	<2.50		<0.250		<2.50		<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Tetrachloroethene (PCE)	<2.00		<0.200		<2.00		<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
Toluene	2.90	J	0.490	J	414		166		19.0		7.10		274		18.4		13.9	
1,2,3-Trichlorobenzene	<20.0		<2.00		<20.0		<10.0		<2.00		<20.0		<200		<10.0		<2.00	
1,2,4-Trichlorobenzene	<10.0		<1.00		<10.0		<5.00		<1.00		<10.0		<100		<5.00		<1.00	
1,1,1-Trichloroethane	<2.00		<0.200		<2.00		<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
1,1,2-Trichloroethane	<2.50		<0.250		<2.50		<1.25		<0.250		<2.50		<25.0		<1.25		<0.250	
Trichloroethene (TCE)	<2.00		<0.200		<2.00		<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
Trichlorofluoromethane	<10.0		<1.00		<10.0		<5.00		<1.00		<10.0		<100		<5.00		<1.00	
1,2,3-Trichloropropane	<5.00		<0.500		<5.00		<2.50		<0.500		<5.00		<50.0		<2.50		<0.500	
1,2,4-Trimethylbenzene	11.5		3.09		20.7		9.60		1.93		27.6		100		12.6		8.87	
1,3,5-Trimethylbenzene	<5.00		0.710	J	10.6		4.80	J	0.770	J	<5.00		<50.0		3.25	J	2.35	
Vinyl chloride	9.20		0.153		<2.00		<1.00		<0.200		<2.00		<20.0		<1.00		<0.200	
m,p-Xylene	14.4		3.95		149		64.8		7.96		38.3		184		13.6		10.1	
o-Xylene	11.1		3.69		59.5		26.4		4.91		31.0		148		15.2		9.21	
Polyaromatic Hydrocarbons (PAHs) by EPA 8270# (SIM) (ug/L)																		
Acenaphthene	35.8		60.7		22.8		10.4		13.9		58.4		957		281		177	
Acenaphthylene	<3.99		<7.13	R-02	<6.31	R-02	<3.60	R-02	<3.62	R-02	5.65	J	<120	R-02	<31.5	R-02	<18.2	R-02
Anthracene	<3.99		9.69		2.95	J	1.46	J	1.88		<4.43		345		23.0		21.2	
Benz(a)anthracene	<1.99		<0.950		1.01	J	<0.412		<0.223		<2.22		133		<1.80		1.02	J
Benzo(a)pyrene	<1.99		<0.950		0.842	J	<0.412		<0.223		<2.22		103		<1.80		<0.970	
Benzo(b)fluoranthene	<1.99		<0.950		1.09	J	<0.412		<0.223		<2.22		97.6		<1.80		<0.970	
Benzo(k)fluoranthene	<1.99		<0.950		<0.842		<0.412		<0.223		<2.22		34.9	M-05	<1.80		<0.970	
Benzo(g,h,i)perylene	<3.99		<1.90		<1.68		<0.824		<0.445		<4.43		67		<3.60		<1.94	
Chrysene	<1.99		<0.950		1.09	J	<0.412		<0.223		<2.22		169		<1.80		1.02	J
Dibenz(a,h)anthracene	<1.99		<0.950		<0.842		<0.412		<0.223		<2.22		5.54	J	<1.80		<0.970	
Fluoranthene	<3.99		7.65		6.19		2.61		1.95		<4.43		688		13.1		15	

Table 3E - May 2023 Process Control Sampling Charted Lab Results

Location	Siltronic Influent (SI)		Siltronic Effluent (SE)		KOP		NW Natural Influent (NWI)		NW Natural Effluent (NWE)		Fill WBZ Interceptor Trench Influent (TWIA)		Fill WBZ Interceptor Trench Influent (TWIB)		Fill WBZ Interceptor Trench Effluent (TWE)		Treatment Plant Combined Influent (TPI)	
Sample ID	SI-052423-102		SE-052423-102		KOP-052423-102		NWI-052423-102		NWE-052423-102		TWIA-052423-102		TWIB-052423-102		TWE-052423-102		TPI-052423-102	
Laboratory ID	A3E1671-01		A3E1671-02		A3E1671-03		A3E1671-04		A3E1671-05		A3E1671-06		A3E1671-07		A3E1671-08		A3E1671-09	
	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier
Volatile Organic Compounds by EPA 8260D (ug/L)																		
Acetone	<50.0		<10.0		<100		<20.0		<10.0		<200		<1000		<20.0		<20.0	
Acrylonitrile	<5.00		<1.00		<10.0		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
Benzene	183		34.1		1840		260		106		2500		7840		379		173	
Bromobenzene	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Bromochloromethane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Bromodichloromethane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Bromoform	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Bromomethane	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
2-Butanone (MEK)	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
n-Butylbenzene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
sec-Butylbenzene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
tert-Butylbenzene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Carbon disulfide	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
Carbon tetrachloride	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Chlorobenzene	2.65		0.620		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Chloroethane	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
Chloroform	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Chloromethane	<12.5		<2.50		<25.0		<5.00		<2.50		<50.0		<250		<5.00		<5.00	
2-Chlorotoluene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
4-Chlorotoluene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Dibromochloromethane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,2-Dibromo-3-chloropropane	<12.5		<2.50		<25.0		<5.00		<2.50		<50.0		<250		<5.00		<5.00	
1,2-Dibromoethane (EDB)	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Dibromomethane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,2-Dichlorobenzene	1.90	J	0.800		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
1,3-Dichlorobenzene	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
1,4-Dichlorobenzene	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Dichlorodifluoromethane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,1-Dichloroethane	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,2-Dichloroethane (EDC)	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,1-Dichloroethene	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
cis-1,2-Dichloroethene	2.60		0.670		2.60	J	<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
trans-1,2-Dichloroethene	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,2-Dichloropropane	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
1,3-Dichloropropane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
2,2-Dichloropropane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,1-Dichloropropene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
cis-1,3-Dichloropropene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
trans-1,3-Dichloropropene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Ethylbenzene	85.2		12.6		113		14.7		4.69		113		410		24.2		10.1	
Hexachlorobutadiene	<12.5		<2.50		<25.0		<5.00		<2.50		<50.0		<250		<5.00		<5.00	
2-Hexanone	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
Isopropylbenzene	4.25	J	0.560	J	<5.00		<1.00		<0.500		15.2	J	<50.0		1.64	J	<1.00	
4-Isopropyltoluene	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
Methylene chloride	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
4-Methyl-2-pentanone (MIBK)	<25.0		<5.00		<50.0		<10.0		<5.00		<100		<500		<10.0		<10.0	
Methyl tert-butyl ether (MTBE)	<2.50		1.75		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
n-Propylbenzene	2.25	J	0.270	J	<2.50		<0.500		<0.250		7.40	J	<25.0		0.680	J	<0.500	
Stryrene	<2.50		<0.500		174		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,1,1,2-Tetrachloroethane	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,1,2,2-Tetrachloroethane	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Tetrachloroethene (PCE)	<1.00		<0.200		101		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
Toluene	2.90		0.480	J	2430		5.64		23.6		18.0		274		21.8		9.00	
1,2,3-Trichlorobenzene	<5.00		<1.00		<10.0		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
1,2,4-Trichlorobenzene	<5.00		<1.00		<10.0		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
1,1,1-Trichloroethane	<1.00		<0.200		<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
1,1,2-Trichloroethane	<1.25		<0.250		<2.50		<0.500		<0.250		<5.00		<25.0		<0.500		<0.500	
Trichloroethene (TCE)	<1.00		<0.200		2.30	J	<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
Trichlorofluoromethane	<5.00		<1.00		<10.0		<2.00		<1.00		<20.0		<100		<2.00		<2.00	
1,2,3-Trichloropropane	<2.50		<0.500		<5.00		<1.00		<0.500		<10.0		<50.0		<1.00		<1.00	
1,2,4-Trimethylbenzene	20.6		4.65		80.2		2.72		1.78		41.0		76.0	J	9.42		3.82	
1,3,5-Trimethylbenzene	5.35		0.990	J	32.6		<1.00		0.570	J	<10.0		<50.0		2.30		1.14	J
Vinyl chloride	3.85		0.250	J	<2.00		<0.400		<0.200		<4.00		<20.0		<0.400		<0.400	
m,p-Xylene	34.0		5.69		766		6.68		7.92		76.2		151		13.7		6.04	
o-Xylene	25.1		6.18		383		4.42		5.88		50.6		148		15.7		6.44	
Polyaromatic Hydrocarbons (PAHs) by EPA 8270# (SIM) (ug/L)																		
Acenaphthene	51.6		39.2		113		8.70		13.1		92.5		336		235		79.1	
Acenaphthylene	<6.42		<3.92	R-02	133		<1.61	R-02	<4.50	R-02	<10.0	R-02	<40.5	R-02	<25.5	R-02	<9.99	R-02
Anthracene	3.45	J	<1.79		13.1		1.20	J	<0.437		<3.20		76.2		34.9		11.4	
Benz(a)anthracene	<1.60		<0.896		0.931	J	<0.398		<0.218		<1.60		24.2		5.27		1.45	J
Benzo(a)pyrene	<1.60		<0.896		<0.810		<0.368		<0.218		<1.60		20.1		4.11		0.922	J
Benzo(b)fluoranthene	<1.60		<0.896		<0.810		<0.368		<0.218		<1.60		17.6		3.75	M-05	0.966	J
Benzo(k)fluoranthene	<1.60		<0.896		<0.810		<0.368		<0.218		<1.60		6.05	J	<1.79		<0.878	
Benzo(g,h,i)perylene	<3.21		<1.79		<1.62		<0.736		<0.437		<3.20		14.1	J	<3.58		<1.76	
Chrysene	<1.60		<0.896		0.810	J	<0.368		<0.218		<1.60		29.4		7.60		1.98	
Dibenz(a,h)anthracene	<1.60		<0.896		<0.810		<0.368		<0.218		<1.60		<3.56		<1.79		<0.878	
Fluoranthene	<3.21		2.11	J	10.3		1.56		2.17		5.28	J	122		37.5			

Table 3F- June 2023 Process Control Sampling Charted Lab Results

Location	Siltronic Influent (SI)		Siltronic Effluent (SE)		KOP		NW Natural Influent (NWI)		NW Natural Effluent (NWE)		Fill WBZ Interceptor Trench Influent (TWIA)		Fill WBZ Interceptor Trench Influent (TWIB)		Fill WBZ Interceptor Trench Effluent (TWE)		Treatment Plant Combined Influent (TPI)	
Sample ID	SI-062123-103		SE-062123-103		KOP-062123-103		NWI-062123-103		NWE-062123-103		TWIA-062123-103		TWIB-062123-103		TWE-062123-103		TPI-062123-103	
Laboratory ID	A3F1356-01		A3F1356-02		A3F1356-03		A3F1356-04		A3F1356-05		A3F1356-06		A3F1356-07		A3F1356-08		A3F1356-09	
	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier	Results	Qualifier
Volatile Organic Compounds by EPA 8260D (ug/L)																		
Acetone	<50.0		<10.0		<250		<10.0		<10.0		<200		<1000		<50.0		<20.0	
Acrylonitrile	<5.00		<1.00		<25.0		<1.00		<1.00		<20.0		<100		<5.00		<2.00	
Benzene	337		32.8		1700		134		67.1		1670		7520		308		106	
Bromobenzene	<1.25		<0.250		<6.25		<0.250		<0.250		<5.00		<25.0		<1.25		<0.500	
Bromochloromethane	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
Bromodichloromethane	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
Bromoform	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
Bromomethane	<25.0		<5.00		<125		<5.00		<5.00		<100		<500		<25.0		<10.0	
2-Butanone (MEK)	<25.0		<5.00		<125		<5.00		<5.00		<100		<500		<25.0		<10.0	
n-Butylbenzene	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
sec-Butylbenzene	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
tert-Butylbenzene	<2.50		<1.00		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
Carbon disulfide	<25.0		<5.00		<125		<5.00		<5.00		<100		<500		<25.0		<10.0	
Carbon tetrachloride	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
Chlorobenzene	6.40		0.610		<6.25		<0.250		<0.250		<5.00		<25.0		<1.25		<0.500	
Chloroethane	<25.0		<5.00		<125		<5.00		<5.00		<100		<500		<25.0		<10.0	
Chloroform	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
Chloromethane	<12.5		<2.50		<62.5		<2.50		<2.50		<50.0		<250		<12.5		<5.00	
2-Chlorotoluene	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
4-Chlorotoluene	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
Dibromochloromethane	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
1,2-Dibromo-3-chloropropane	<12.5		<2.50		<62.5		<2.50		<2.50		<50.0		<250		<12.5		<5.00	
1,2-Dibromoethane (EDB)	<1.25		<0.250		<6.25		<0.250		<0.250		<5.00		<25.0		<1.25		<0.500	
Dibromomethane	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
1,2-Dichlorobenzene	2.15	J	0.770		<6.25		<0.250		<0.250		<5.00		<25.0		<1.25		<0.500	
1,3-Dichlorobenzene	<1.25		<0.250		<6.25		<0.250		<0.250		<5.00		<25.0		<1.25		<0.500	
1,4-Dichlorobenzene	<1.25		<0.250		<6.25		<0.250		<0.250		<5.00		<25.0		<1.25		<0.500	
Dichlorodifluoromethane	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
1,1-Dichloroethane	<1.00		<0.200		<5.00		<0.200		<0.200		<4.00		<20.0		<1.00		<0.400	
1,2-Dichloroethane (EDC)	<1.00		<0.200		<5.00		<0.200		<0.200		<4.00		<20.0		<1.00		<0.400	
1,1-Dichloroethene	<1.00		<0.200		<5.00		<0.200		<0.200		<4.00		<20.0		<1.00		<0.400	
cis-1,2-Dichloroethene	4.10		0.600		<5.00		<0.200		<0.200		<4.00		<20.0		<1.00		<0.400	
trans-1,2-Dichloroethene	<1.00		<0.200		<5.00		<0.200		<0.200		<4.00		<20.0		<1.00		<0.400	
1,2-Dichloropropane	<1.25		<0.250		<6.25		<0.250		<0.250		<5.00		<25.0		<1.25		<0.500	
1,3-Dichloropropane	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
2,2-Dichloropropane	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
1,1-Dichloropropene	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
cis-1,3-Dichloropropene	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
trans-1,3-Dichloropropene	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
Ethylbenzene	184		11.7		63.0		7.66		3.31		103		515		20.4		9.08	
Hexachlorobutadiene	<12.5		<2.50		<62.5		<2.50		<2.50		<50.0		<250		<12.5		<5.00	
2-Hexanone	<25.0		<5.00		<125		<5.00		<5.00		<100		<500		<25.0		<10.0	
Isopropylbenzene	8.15		<0.500		<12.5		<0.500		<0.500		10.4	J	<50.0		<2.50		<1.00	
4-Isopropyltoluene	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
Methylene chloride	<25.0		<5.00		<125		<5.00		<5.00		<100		<500		<25.0		<10.0	
4-Methyl-2-pentanone (MIBK)	<25.0		<5.00		<125		<5.00		<5.00		<100		<500		<25.0		<10.0	
Methyl tert-butyl ether (MTBE)	<2.50		1.31		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
n-Propylbenzene	3.60		0.260	J	<6.25		<0.250		<0.250		5.40	J	<25.0		<1.25		<0.500	
Stryrene	<2.50		<0.500		139		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
1,1,1,2-Tetrachloroethane	<1.00		<0.200		<5.00		<0.200		<0.200		<4.00		<20.0		<1.00		<0.400	
1,1,2,2-Tetrachloroethane	<1.25		<0.250		<6.25		<0.250		<0.250		<5.00		<25.0		<1.25		<0.500	
Tetrachloroethene (PCE)	<1.00		<0.200		<5.00		<0.200		<0.200		<4.00		<20.0		<1.00		<0.400	
Toluene	7.40		0.470	J	2210		1.32		9.58		12.6		216		11.2		6.36	
1,2,3-Trichlorobenzene	<5.00		<1.00		<25.0		<1.00		<1.00		<20.0		<100		<5.00		<2.00	
1,2,4-Trichlorobenzene	<5.00		<1.00		<25.0		<1.00		<1.00		<20.0		<100		<5.00		<2.00	
1,1,1-Trichloroethane	<1.00		<0.200		<5.00		<0.200		<0.200		<4.00		<20.0		<1.00		<0.400	
1,1,2-Trichloroethane	<1.25		<0.250		<6.25		<0.250		<0.250		<5.00		<25.0		<1.25		<0.500	
Trichloroethene (TCE)	<1.00		<0.200		<5.00		<0.200		<0.200		<4.00		<20.0		<1.00		<0.400	
Trichlorofluoromethane	<5.00		<1.00		<25.0		<1.00		<1.00		<20.0		<100		<5.00		<2.00	
1,2,3-Trichloropropane	<2.50		<0.500		<12.5		<0.500		<0.500		<10.0		<50.0		<2.50		<1.00	
1,2,4-Trimethylbenzene	56.4		4.02		77.0		1.37		0.920	J	32.2		84.0	J	8.05		3.58	
1,3,5-Trimethylbenzene	14.5		0.840	J	29.5		<0.500		<0.500		<10.0		<50.0		<2.50		1.02	J
Vinyl chloride	2.55		0.199	Q-42	<5.00		0.290	J	<0.200		<4.00		<20.0		<1.00		<0.400	
m,p-Xylene	99.3		4.96		704		2.76		3.77		56.4		141		8.10		4.66	
o-Xylene	62.6		4.86		330		1.84		2.54		34.8		137		9.55		4.70	
Polyaromatic Hydrocarbons (PAHs) by EPA 8270# (SIM) (ug/L)																		
Acenaphthene	56.7		54.3		130		8.27		11.8		91.8		846		210		94.9	
Acenaphthylene	<3.66		<5.52	R-02	99.1		<1.52		<3.79	R-02	9.89		<102	R-02	<21.0	R-02	<12.6	R-02
Anthracene	4.48	J	2.39	J	13.2		1.80		1.46		<3.66		304		22.6		13.1	
Benz(a)anthracene	<1.83		<0.883		0.936	J	<0.379		<0.252		<1.83		100		<1.87		<0.914	
Benzo(a)pyrene	<1.83		<0.883		<0.891		<0.379		<0.252		<1.83		91.2		<1.87		<0.914	
Benzo(b)fluoranthene	<1.83		<0.883		0.891	J	<0.379		<0.252		<1.83		91.7		<1.87		<0.914	
Benzo(k)fluoranthene	<1.83		<0.883		<0.891		<0.379		<0.252		<1.83		27.2	M-05	<1.87		<0.914	
Benzo(g,h,i)perylene	<3.66		<1.77		<1.78		<0.759		<0.505		<3.66		76.5		<3.73		<1.83	
Chrysene	<1.83</																	