Albuquerque Bernalillo County Water Utility Authority

ABCWUA Compliance Division Protocol Agreement

Date: 1/3/2011 **Program:** TP **Protocol:** TP2D1/14 **Revision:** 01

Objective: Process Monitoring (Digesters)

Reference Document(s):

40 CFR 136 -Guidelines Establishing Test Procedures for the Analysis of Pollutants,

Sample Purpose (monitoring, special, verification, process control, compliance, confirmation, etc.):

Process Control

Sample Collection Type/Details (grab, composite, 24hr, 1 L/24hr, Flow Weighted, Time Weighted, Equipment - tubing, filters):

Grab sample. See attached diagram.

Sample Collection Frequency (Daily, Weekly, Monthly, Quarterly, Biannually, Annually, Other): Daily (Sunday and Wednesday)

Sample Point Nomenclature Convention:

TP2 = treatment plant 2, Digesters 1, 2, 3, 5, 7, 8, 9, 11, 13, and 14 are individual Final Digesters.

Sampling Personnel (WQ Specialist, Monitoring Tech, Engineering Staff, Operators, etc.):

Operator, Monitoring Tech., Shift Supervisor, Pollution Prevention Specialist, Water Quality Specialist or Shift Supervisor.

Field Instructions: Record visual observations and field environment. A completed WQL Sample Submittal Form (Water Quality Laboratory Chain of Custody , F- 101.1 Revision 5) will be included in each sample kit. Completed form to be submitted with each sample. The sample kit will be picked up by Plant Operations staff each weekday by 10:00 AM for subsequent sample day. Gloves must be changed between each sample. Grab samples taken with a device meeting EPA/NPDES requirements for sampling. Clean containers will be used to collect the samples. Minimum safety equipment for samplers shall include gloves and safety glasses.

Laboratory Instructions:

Sample analyses for pH will be completed within 15 minutes of sample submittal.

Sample kits will be prepared and available for sampling personnel by 10:00 AM weekdays.

External Laboratory Instructions: Applicable if WQL services not available.

Special Handling Instructions:

Samples should be maintained and stored at 4±2°C. Any method or protocol change must be preapproved by the Compliance Division Manager or the NPDES Program Manager and the WQL Program Manager.

Chain of Custody: Required? ☐ Yes ☑ No

QA/QC Data Requirements:

QA/QC should be available if requested. QA/Qc is not necessary to report results.

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Notification Instructions:

Confirmation of Notification Required when Process Limits Exceeded? ☐ Yes ☐ No

Priority	Contact	Title	Phone	Cell Phone	Email
1	Jeff Romanowski	Plant Manager	505-873-7035	505 506-6021	jromanowski@abcwua.o
2	Joey Nogales	Operations Supt.	505-980-4343	505-980-4343	jnogales@abcwua.org
3	Patrick Akin	NPDES Program Manager	505-873-6936	505-206-2676	pakin@abcwua.org

Reporting Criteria

Reporting Format: Manual data entry daily to DayPro. Laboratory enters approved data to LIMS; user receives email notification;

Reporting Time Frame: At least by COB daily for all analysis completed the that day.

Billing Method:

Activity # 5914000

Protocol Agreement

Protocol Agreement can only be modified by Compliance Program Managers or Designated External Client Representatives

Prepared By	Title	Date	WQL Program Manager	Date
WQ Program Manager		Date		
NPDES Program Manager		Date		
Designated External Client Representative	Title	Date		

ABCWUA Compliance Division Protocol Agreement

Protocol Analyses Definition

Program: TP Protocol: TP2D1/14 Revision: 1

														Reg Limit		Flag Limit	
Primary Laboratory	External Laboratory	Sample Kit	Characteristic	Method	Preservation	Units	EPA D/Q Limit	EPA D/Q Limit Type	Lab MDL	Lab PQL	Hold Time	Turn Around Time	Analyte Cost	Low	High	Low	High
WQL		500mL Plastic	Alkalinity	SM2320 B	4°C ±2°C.	mg/L			0.3148		14 days	48 Hours	$14.00				
		500mL Amber BR	Volatile Acids	SM5560C	4°C ±2°C.	mg/L					7 days		$40.00				
			pH	SM4500H.B		STD Units					Analyze in 1 hr. not more than 6 hrs.	24 hrs	$6.00				
													$71.00				

Parameter	Description	Units	Default Method	Cost
1CL2BRPR	1-CHLORO-2-BROMOPROPANE/INTSTD	UG/L	EPA502.2	$ -
22414/07	MINIMUM 7 DAY NOEC	% EFFL	CALC.	$ -
22414/30	30 DAY AVERAGE MINIMUM NOEC	% EFFL	CALC.	$ -
A-01	2-CHLOROPHENOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-01 S	2-CHLOROPHENOL/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
A-02	2,4-DICHLOROPHENOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-02 S	2,4-DICHLOROPHENOL/SOLIDS,EXTRAC	MG/KG	EPA 625 (SLD)	$ -
A-03	2,4-DIMETHYLPHENOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-03 S	2,4-DIMETHYLPHENOL/SOLIDS,EXTRAC	MG/KG	EPA 625 (SLD)	$ -
A-04	4,6-DINITRO-O-CRESOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-04 S	4,6-DINITRO-O-CRESOL/SOLIDS,EXTR	MG/KG	EPA 625 (SLD)	$ -
A-05	2,4-DINITROPHENOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-05 S	2,4-DINITROPHENOL/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
A-06	2-NITROPHENOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-06 S	2-NITROPHENOL/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
A-07	4-NITROPHENOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-07 S	4-NITROPHENOL/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
A-08	P-CHLORO-M-CRESOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-08 S	P-CHLORO-M-CRESOL/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
A-09	PENTACHLOROPHENOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-09 S	PENTACHLOROPHENOL/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
A-10	PHENOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-10 S	PHENOL/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
A-11	2,4,6-TRICHLOROPHENOL/EXTRACT	UG/L	EPA 625 (SLD)	$ -
A-11 S	2,4,6-TRICHLOROPHENOL/SOLIDS,EXT	MG/KG	EPA 625 (SLD)	$ -
AAATFT	A,A,A-TRIFLUOROTOLUENE/INTSTD	UG/L	EPA502.2 (SLD)	$ -
ACETATE	ACETATE/FILTERED	MG/L	ICACETATE	$ 35.00
ACETONE	ACETONE	MG/L	EPA 624 (SLD)	$ -
AG	SILVER/TOTAL	UG/L	18SM3113B (Waste)	$ 30.00
AG DISS	SILVER,DISSOLVED,0.45	UG/L	18SM3113B (Water)	$ 17.00
AG S	SILVER/SOLIDS,EXTRACT	MG/KG	18SM3113B (Waste)	$ 30.00
AIRTEMPF	AIR TEMPERATURE FAHRENHEIT	DEG F	18SM2550	$ -
AL	ALUMINUM/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
AL DISS	ALUMINUM/DISSOLVED,0.45	UG/L	18SM3120B (Water)	$ 6.50
AL S	ALUMINUM/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
ALKN	ALKALINITY/TOTAL	MG/L	18SM2320B.4	$ 14.00
AMEOB	AMOEBAS	COUNT	WQL-MICROEXAM	$ 2.75
AMON	AMMONIA/TOTAL	MG/L N	18SM4500NH3E (Water)	$ 14.00
AMON SS	AMMONIA/SOLIDS,DISTILLED	MG/KG N	18SM4500NH3E (Solid)	$ 21.00
AS	ARSENIC/TOTAL	UG/L	18SM3113B (Waste)	$ 30.00
AS DISS	ARSENIC/DISSOLVED,0.45	UG/L	18SM3113B (Water)	$ 17.00
AS S	ARSENIC/SOLIDS,EXTRACT	MG/KG	18SM3113B (Waste)	$ 30.00
A-T	TOTAL ORGANIC ACIDS	UG/L	ORGANIC CALC.	$ -
B	BORON/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
B DISS	BORON/DISSOLVED,0.45	UG/L	18SM3120B (Water)	$ 6.50
B S	BORON/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
B-01	ACENAPHTHENE/EXTRACTED	UG/L	EPA 625 (SLD)	$ -
B-01 S	ACENAPHTHENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-02	ACENAPHTHYLENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-02 S	ACENAPHTHYLENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-03	ANTHRACENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-03 S	ANTHRACENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -

Parameter	Description	Units	Default Method	Cost
B-04	BENZIDINE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-04 S	BENZIDINE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-05	BENZO(A)ANTHRACENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-05 S	BENZO(A)ANTHRACENE/EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-06	BENZO(A)PYRENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-06 S	BENZO(A)PYRENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-07	3,4-BENZOFLUORANTHENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-07 S	3,4-BENZOFLUORANTHENE/SOLIDS,EXT	MG/KG	EPA 625 (SLD)	$ -
B-08	BENZO(GHI)PERYLENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-08 S	BENZO(GHI)PERYLENE/SOLIDS,EXTRAC	MG/KG	EPA 625 (SLD)	$ -
B-09	BENZO(K)FLUORANTHENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-09 S	BENZO(K)FLUORANTHENE/SOLIDS,EXTR	MG/KG	EPA 625 (SLD)	$ -
B-10	BIS(2-CHLOROETHOXY)METHANE/EXTRA	UG/L	EPA 625 (SLD)	$ -
B-10 S	BIS(2-CHLOROETHOXY)METHANE/SOLID	MG/KG	EPA 625 (SLD)	$ -
B-11	BIS(2-CHLOROETHYL)ETHER/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-11 S	BIS(2-CHLOROETHYL)ETHER/SOLIDS,E	MG/KG	EPA 625 (SLD)	$ -
B-12	BIS(2-CHLOROISOPROPYL)ETHER/EXTR	UG/L	EPA 625 (SLD)	$ -
B-12 S	BIS(2-CHLOROISOPROPYL)ETHER/SOLI	MG/KG	EPA 625 (SLD)	$ -
B-13	BIS(2-ETHYLHEXYL)PHTHALATE/EXTRA	UG/L	EPA 625 (SLD)	$ -
B-13 S	BIS(2-ETHYLHEXYL)PHTHALATE/SOLID	MG/KG	EPA 625 (SLD)	$ -
B-14	4-BROMOPHENYL PHENYL ETHER/EXTRA	UG/L	EPA 625 (SLD)	$ -
B-14 S	4-BROMOPHENYL PHENYL ETHER/SOLID	MG/KG	EPA 625 (SLD)	$ -
B-15	BUTYL BENZYL PHTHALATE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-15 S	BUTYL BENZYL PHTHALATE/SOLIDS,EX	MG/KG	EPA 625 (SLD)	$ -
B-16	2-CHLORONAPHTHALENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-16 S	2-CHLORONAPHTHALENE/SOLIDS,EXTRA	MG/KG	EPA 625 (SLD)	$ -
B-17	4-CHLOROPHENYL PHENYL ETHER/EXTR	UG/L	EPA 625 (SLD)	$ -
B-17 S	4-CHLOROPHENYL PHENYL ETHER/SOLI	MG/KG	EPA 625 (SLD)	$ -
B-18	CHRYSENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-18 S	CHRYSENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-19	DIBENZO(A,H)ANTHRACENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-19 S	DIBENZO(A,H)ANTHRACENE/SOLIDS,EX	MG/KG	EPA 625 (SLD)	$ -
B-20	1,2-DICHLOROBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-20 S	1,2-DICHLOROBENZENE/SOLIDS,EXTRA	MG/KG	EPA 624 (SLD)	$ -
B-21	1,3-DICHLOROBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-21 S	1,3-DICHLOROBENZENE/SOLIDS,EXTRA	MG/KG	EPA 624 (SLD)	$ -
B-22	1,4-DICHLOROBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-22 S	1,4-DICHLOROBENZENE/SOLIDS,EXTRA	MG/KG	EPA 624 (SLD)	$ -
B-23	3,3-DICHLOROBENZIDINE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-23 S	3,3-DICHLOROBENZIDINE/SOLIDS,EXT	MG/KG	EPA 625 (SLD)	$ -
B-24	DIETHYL PHTHALATE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-24 S	DIETHYL PHTHALATE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-25	DIMETHYL PHTHALATE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-25 S	DIMETHYL PHTHALATE/SOLIDS,EXTRAC	MG/KG	EPA 625 (SLD)	$ -
B-26	DI-N-BUTYL PHTHALATE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-26 S	DI-N-BUTYL PHTHALATE/SOLIDS,EXTR	MG/KG	EPA 625 (SLD)	$ -
B-27	2,4-DINITROTOLUENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-27 S	2,4-DINITROTOLUENE/SOLIDS,EXTRAC	MG/KG	EPA 625 (SLD)	$ -
B-28	2,6-DINITROTOLUENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-28 S	2,6-DINITROTOLUENE/SOLIDS,EXTRAC	MG/KG	EPA 625 (SLD)	$ -
B-29	DI-N-OCTYL PHTHALATE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-29 S	DI-N-OCTYL PHTHALATE/SOLIDS,EXTR	MG/KG	EPA 625 (SLD)	$ -

Parameter	Description	Units	Default Method	Cost
B-30	1,2-DIPHENYLHYDRAZINE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-30 S	1,2-DIPHENYLHYDRAZINE/SOLIDS,EXT	MG/KG	EPA 625 (SLD)	$ -
B-31	FLUORANTHENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-31 S	FLUORANTHENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-32	FLUORENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-32 S	FLUORENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-33	HEXACHLOROBENZENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-33 S	HEXACHLOROBENZENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-34	HEXACHLOROBUTADIENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-34 S	HEXACHLOROBUTADIENE/SOLIDS,EXTRA	MG/KG	EPA 624 (SLD)	$ -
B-35	HEXACHLOROCYCLOPENTADIENE/EXTRAC	UG/L	EPA 625 (SLD)	$ -
B-35 S	HEXACHLOROCYCLOPENTADIENE/SOLIDS	MG/KG	EPA 625 (SLD)	$ -
B-36	HEXACHLOROETHANE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-36 S	HEXACHLOROETHANE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-37	INDENO(1,2,3-CD)PYRENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-37 S	INDENO(1,2,3-CD)PYRENE/SOLIDS,EX	MG/KG	EPA 625 (SLD)	$ -
B-38	ISOPHORONE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-38 S	ISOPHORONE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-39	NAPHTHALENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-39 S	NAPHTHALENE/SOLIDS,EXTRACT	MG/KG	EPA 624 (SLD)	$ -
B-40	NITROBENZENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-40 S	NITROBENZENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-41	N-NITROSODIMETHYLAMINE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-41 S	N-NITROSODIMETHYLAMINE/SOLIDS,EX	MG/KG	EPA 625 (SLD)	$ -
B-42	N-NITROSODI-N-PROPYLAMINE/EXTRAC	UG/L	EPA 625 (SLD)	$ -
B-42 S	N-NITROSODI-N-PROPYLAMINE/SOLIDS	MG/KG	EPA 625 (SLD)	$ -
B-43	N-NITROSODIPHENYLAMINE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-43 S	N-NITROSODIPHENYLAMINE/SOLIDS,EX	MG/KG	EPA 625 (SLD)	$ -
B-44	PHENANTHRENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-44 S	PHENANTHRENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-45	PYRENE/EXTRACT	UG/L	EPA 625 (SLD)	$ -
B-45 S	PYRENE/SOLIDS,EXTRACT	MG/KG	EPA 625 (SLD)	$ -
B-46	1,2,4-TRICHLOROBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-46 S	1,2,4-TRICHLOROBENZENE/SOLIDS,EX	MG/KG	EPA 624 (SLD)	$ -
B-47	P-XYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-47 S	P-XYLENE/SOLIDS,EXTRACTED	MG/KG	EPA 624 (SLD)	$ -
B-48	O-XYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-48 S	O-XYLENE/SOLIDS,EXTRACT	MG/KG	EPA 624 (SLD)	$ -
B-49	M-XYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-49 S	M-XYLENE/SOLIDS,EXTRACT	MG/KG	EPA 624 (SLD)	$ -
B-50	STYRENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-52	N-PROPYLBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-53	1,2,4-TRIMETHYLBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-54	N-BUTYLBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-55	1,3,5-TRIMETHYLBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-56	ISO-PROPYLBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-57	TERT-BUTYLBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-58	SEC-BUTYLBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-59	BROMOBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
B-60	XYLENE/TOTAL	UG/L	EPA 524.2 (SLD)	$ -
B-60 S	XYLENE/SOLIDS,EXTRACTED	MG/KG	EPA 624 (SLD)	$ -
BA	BARIUM/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00

Parameter	Description	Units	Default Method	Cost
BA DISS	BARIUM/DISSOLVED,0.45	UG/L	18SM3120B (Water)	$ 6.50
BA S	BARIUM/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
BANKDIST	DISTANCE FROM RIVER BANK EAST SI	FEET	LENGTH	$ -
BE	BERYLLIUM/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
BE DISS	BERYLLIUM/DISSOLVED,0.45	UG/L	18SM3120B (Water)	$ 6.50
BE S	BERYLLIUM,SOLIDS EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
BLOWERS	NO. OF BLOWERS RUNNING AT A.S.	COUNT	BAILEY	$ -
BNA	BNAs at SLD		SLD 755	$ -
BOD	BIOCHEMICAL OXYGEN DEMAND,5-DAY	MG/L	18SM5210B	$ 26.00
BOD20	BOD 20 DAY (ULTIMATE BOD)	MG/L	18SM5210B (Ultimate)	$ 50.00
BODSOL	BOD FILTERED	MG/L	18SM5210B (Filtered)	$ 35.00
BR	BROMIDE/DISSOLVED	MG/L	18SM4110B	$ 12.00
B-T	TOTAL ORGANIC BASE/NEUTRALS	UG/L	ORGANIC CALC.	$ -
B-T S	TOTAL ORGANIC BASE/NEUTRALS	MG/KG	ORGANIC CALC.	$ -
BTU	BTU PER IDEAL CU.FT.	BTU/CU	Southern Flow	$ -
CA	CALCIUM/TOTAL	MG/L	18SM3120B (Waste)	$ 10.00
CA DISS	CALCIUM/DISSOLVED,0.45	MG/L	18SM3120B (Water)	$ 6.50
CA SS	CALCIUM/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
CA-CACO3	CALCIUM/TITRATION AS CACO3	MG/L	18SM3500D	$ 13.00
CBOD	CARBONACEOUS BOD/5-DAY	MG/L	18SM5210B	$ 26.00
CBOD20	CARBONACEOUS BOD 20 DAY (ULTIMAT	MG/L	18SM5210B (Ultimate)	$ 50.00
CBODSOL	CARBONACEOUS BOD/FILTERED	MG/L	18SM5210B (Filtered)	$ 35.00
CD	CADMIUM/TOTAL	UG/L	18SM3111B (Waste)	$ 30.00
CD DISS	CADMIUM/DISSOLVED,0.45	UG/L	18SM3111B (Water)	$ 17.00
CD S	CADIUM/SOLIDS,EXTRACT	MG/KG	18SM3111B (Waste)	$ 30.00
CENTRIFU	NO. OF CENTRIFUGES ON LINE	COUNT	BAILEY	$ -
CH4	METHANE/GAS	VOLUME	Southern Flow	$ -
CILLI	CILLIATES	COUNTS	WQL-MICROEXAM	$ 2.75
CL	CHLORIDE/DISSOLVED	MG/L	18SM4110B	$ 12.00
CL SS	CHLORIDE/SOLIDS,EXTRACT	MG/KG	18SM4110B	$ 12.00
CL2	FREE CHLORINE RESIDUAL	MG/L	18SM4500CLD.B	$ 15.00
CN	CYANIDE/TOTAL,DISTILLED	UG/L	18SM4500CNE	$ 42.00
CN SS	CYANIDE/SOLIDS,DISTILLED	MG/KG	18SM4500CNE (Solids)	$ 75.00
CN-A	CYANIDE AMENABLE TO CHLORINE	UG/L	18SM4500CNE (Cl)	$ 84.00
CO	COBALT/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
CO DISS	COBALT/DISSOLVED,0.45	UG/L	18SM3120B (Water)	$ 6.50
CO S	COBALT/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
CO2	CARBON DIOXIDE	VOLUME	Southern Flow	$ -
CO2 FREE	CARBON DIOXIDE IN WATER	MG/L	CALC.	$ -
CO3	CARBONATE	MG/L	18SM2320B.5.1	$ -
COD	CHEMICAL OXYGEN DEMAND	MG/L	18SM5220D	$ 24.00
COD SOL	SOLUBLE COD- FILTERED 0.45 MICRO	MG/L	18SM5220D (Filtered)	$ 48.00
COND	SPECIFIC CONDUCTANCE	UMHOS/CM	18SM2510	$ 8.00
CR	CHROMIUM/TOTAL	UG/L	18SM3111B (Waste)	$ 30.00
CR DISS	CHROMIUM/DISSOLVED,0.45	UG/L	18SM3111B (Water)	$ 17.00
CR S	CHROMIUM/SOLIDS,EXTRACT	MG/KG	18SM3111B (Waste)	$ 30.00
CU	COPPER/TOTAL	UG/L	18SM3111B (Waste)	$ 30.00
CU DISS	COPPER/DISSOLVED,0.45	UG/L	18SM3111B (Water)	$ 17.00
CU S	COPPER/SOLIDS,EXTRACT	MG/KG	18SM3111B (Waste)	$ 30.00
DEPTH	DEPTH	FEET	LENGTH	$ -
DIAZINON	DIAZINON/EXTRACTED	UG/L	TEST PROTOTYP	$ -
DO	DISSOLVED OXYGEN	MG/L	18SM4500O.C	$ 25.00

Parameter	Description	Units	Default Method	Cost
DO PROB	DISSOLVED OXYGEN BY MEMBRANE ELE	MG/L	18SM4500O.G	$ 6.00
DO WINK	DISSOLVED OXYGEN BY WINKLER TIT	MG/L	18SM4500O.C	$ 25.00
EC P/A	E. COLI PRESENCE/ABSENCE	P/A	WQLEC01	$ 25.00
ECMUG	E.COLI BY ECMUG TUBES	P/A	WQLMUG02	$ -
ECOLI	ESCHERICA COLI BY COLILERT	1=PRESENT	WQLMUG02	$ -
ECOLI MPN	E. COLI BY MPN	MPN/100ML	20SM9223B	$ 46.00
F	FLUORIDE/ELECTRODE	MG/L	18SM4500F.C	$ 15.00
F SS	FLUORIDE/SOLIDS,EXTRACT	MG/KG	18SM4500F.C (Solids)	$ 25.00
FC	FECAL COLIFORM	CT/100ML	18SM9222D	$ 30.00
FC MPN	FECAL COLIFORMS IN LIQUID BY MPN	MPN/100ML	18SM9221E	$ 46.00
FC P/A	FECAL COLIFORMS P/A	P/A	WQLFC01	$ 30.00
FC S	FECAL COLIFORM FOR SLUDGE	MPN/G	18SM9230B	$ 46.00
F-C6H5	FLUOROBENZENE/INTSTD	UG/L	WQLINT.STNDRD	$ -
FCL2INST	FIELD CHLORINE INSTRUMENT USED	INSTRNUM	SAMPLR RECORD	$ -
FCLOG	FECAL COLIFORM LOG RESULT	LOG	CALC.	$ -
FE	IRON/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
FE BACTI	IRON BACTERIA MICRO EXAM	OBSERV	CALC.	$ -
FE DISS	IRON/DISSOLVED,0.45	UG/L	18SM3120B (Water)	$ 6.50
FE S	IRON/SOLIDS,EXTRACTED	MG/KG	18SM3120B (Waste)	$ 10.00
FILAMENT	FILAMENTOUS ORGANISMS	REL DENS	WQL-MICROEXAM	$ 2.75
FLAG	FLAGELLATES	COUNT	WQL-MICROEXAM	$ 2.75
FLD	Field tests by samplers		YSI600XL	$ -
FLD CL2	FREE CHLORINE/FIELD MEASURE	MG/L	18SM4500CLG (Field)	$ -
FLD CL2N	FREE CHLORINE, NMERI FIELD MEASU	UG/L	17SM4500.CL.G	$ -
FLD COND	SPECIFIC CONDUCTANCE,FIELD MEASU	UMHOS/CM	YSI3520COND	$ -
FLD DO	DISSOLVED OXYGEN, FIELD MEASURE	MG/L	18SM4500O.C (Field)	$ -
FLD DO-N	DISSOLVED OXYGEN, FIELD MEASURE	MG/L	17SM4500.O.G	$ 6.00
FLD EH	REDOX POTENTIAL, FIELD MEASURE	MV	YSI3540ORP	$ -
FLD PH	PH, FIELD MEASURE	STD UNIT	YSI3530PH	$ -
FLD PHN	PH, FIELD MEASURE	STD UNIT	17SM4500HB	$ 6.00
FLD TCL2	TOTAL CHLORINE RESIDUAL, FIELD M	MG/L	18SM4500CLD.C (Field)	$ -
FLD TDS	FIELD TDS	MG/L	FLD COND	$ -
FLDALKNN	ALKALINITY, FIELD MEASURE	MG/L	17SM2320B.4	$ 14.00
FLDINST	FIELD DATA INSTRUMENT	INSTRNUM	SAMPLR RECORD	$ -
FLDOKIT	FIELD, DO BY HACH KIT	MG/K	HACH OX-2P	$ -
FLDOPROB	DO BY ELECTRODE, FIELD MEASURE	MG/L	17SM4500O.G	$ 6.00
FLDTEMPC	TEMPERATURE,DEG C, FIELD MEASURE	DEG C	YSI3510TEMPC	$ -
FLDTEMPF	TEMPERATURE,DEG F, FIELD MEASURE	DEG F	16SM212	$ -
FLDTEMPN	FIELD, NMERI - TEMPERATURE C	C	16SM212	$ -
FLOW/CFS	FLOW MEASURMENTS IN CFS FOR RR	CFS	USGS GUAGE	$ -
FLOW/GAL	FLOW IN GALLONS	GPD	WATMETER	$ -
FLUSH	FLUSH TIME BEFORE SAMPLING	MINUTES	STOPWATCH	$ -
FORM	FORMALDEHYDE	MG/L	AC-00-015	$ 80.00
FREEACID	FREE ACID AS HF OR FE2CL3	% AS	FREE ACID	$ 25.00
FS	FECAL STREP (MPN)	MPN/100ML	18SM9230B	$ 46.00
FS S	FECAL STREP,SOLIDS,EXTRACT	MPN/G	18SM9230B	$ 46.00
FSULFIDE	SULFIDE, FIELD MEASURE	MG/L	HACH2238	$ -
GRALPAM	GROSS ALPHA AM-241 REF.	PCI/L	EPA 900.0 (SLD)	$ -
GRALPU	GROSS ALPHA U-NAT. REF.	PCI/L	EPA 900.0 (SLD)	$ -
GRBETACS	GROSS BETA CS-137 REF.	PCI/L	EPA 900.0 (SLD)	$ -
GRBETASR	GROSS BETA SR/Y90 REF.	PCI/L	EPA 900.0 (SLD)	$ -
H2O2	HYDROGEN PEROXIDE	%	CALC.	$ -

Parameter	Description	Units	Default Method	Cost
H2S%	HYDROGEN SULFIDE IN GAS	%	CARLE GC	$ -
H2SIF6	HYDROFLUOSILICIC ACID CONTENT	% H2SIF6	AWWA B703-89	$ 33.32
HARD	HARDNESS,CACO3,EDTA TITRATION	MG/L	18SM2340C	$ 25.00
HCO3	BICARBONATE	MG/L	18SM2320B.5.3	$ -
HG	MERCURY/TOTAL	UG/L	18SM3112B (Waste)	$ 65.00
HG DISS	MERCURY/DISSOLVED,0.45	UG/L	18SM3112B (Water)	$ 37.00
HG S	MERCURY/SOLIDS,EXTRACTED	MG/KG	18SM3112B (Waste)	$ 65.00
IYSEWER	INDUSTRIAL SEWER FLOWS	K-GAL/D	MANMETER	$ -
IYWATER	INDUSTRIAL WATER FLOWS	K-GAL/D	MANMETER	$ -
IYWINWAT	WINTER WATER AVERAGE	K-GAL/D	MANMETER	$ -
K	POTASSIUM,TOTAL	MG/L	18SM3120B (Waste)	$ 10.00
K DISS	POTASSIUM/DISSOLVED,0.45	MG/L	18SM3120B (Water)	$ 6.50
K S	POTASSIUM/SOLIDS, EXTRACTED	MG/KG	18SM3120B (Waste)	$ 10.00
LI	LITHIUM/TOTAL	MG/L	18SM3120B (Waste)	$ 10.00
LI DISS	LITHIUM/DISSOLVED,0.45	MG/L	18SM3120B (Water)	$ 6.50
LOECCERI	WET ACUTE LOEC: CERIODAPHNIA	% EFFL	EPA1002.0	$ 750.00
LOECMINO	WET ACUTE LOEC: PIMAPHALES	% EFFL	EPA1000.0	$ 750.00
LSI	LANGELIER SATURATION INDEX @ 20C	UNITS	16SM203 (LSI)	$ -
MBAS	METHYLENE BLUE ACTIVE SUBSTANCE	MG/L	CALC.	$ -
MEK	2-BUTANONE (MEK)/PURGED	UG/L	EPA 524.2 (SLD)	$ -
MG	MAGNESIUM/TOTAL	MG/L	18SM3120B (Waste)	$ 10.00
MG DISS	MAGNESIUM,DISSOLVED,0.45	MG/L	18SM3120B (Water)	$ 6.50
MG S	MAGNESIUM/SOLIDS,EXTRACTED	MG/KG	18SM3120B (Waste)	$ 10.00
MICROEXM	MICROSCOPIC EXAMINATION	OBSER	CALC.	$ -
MICROEXM	MICROSCOPIC EXAMINATION	OBSER	CALC.	$ -
MLSS AGE	RELATIVE SLUDGE AGE	REL AGE	WQL-MICROEXAM	$ 2.75
MN	MANGANESE/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
MN DISS	MANGANESE/DISSOLVED,0.45	UG/L	18SM3120B (Water)	$ 6.50
MN S	MANGANESE/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
MO	MOLYBDENUM/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
MO DISS	MOLYBDENUM/DISSOLVED	UG/L	18SM3120B (Water)	$ 6.50
MO S	MOLYBDENUM/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
MTBE	TERT-BUTYLMETHYLETHER(MTBE)	UG/L	EPA 524.2 (SLD)	$ -
MTLDIGN	NITRIC ACID DIGESTION FOR METALS	N/A	18SM3030E	$ 25.00
MTLFILT	FILTRATION FOR DISSOLVED METALS	N/A	18SM3030B	$ 25.00
MTLTCLP	TOXICITY CHARACTERISTIC LEACHING PROC	N/A	EPA SW-846/1311	$ -
N2	NITROGEN	%	CARLE GC	$ -
NA	SODIUM/TOTAL	MG/L	18SM3120B (Waste)	$ 10.00
NA DISS	SODIUM/DISSOLVED,0.45	MG/L	18SM3120B (Water)	$ 6.50
NA S	SODIUM/SOLIDS,EXTRACTED	MG/KG	18SM3120B (Waste)	$ 10.00
NA2SO3	SODIUM SULFITE, DECHLORIN. TP2.7	ML	CALC.	$ -
NC	NONCOLIFORM	CT/100ML	18SM9222B (NC)	$ -
NEMAT	NEMATODES	COUNT	WQL-MICROEXAM	$ 2.75
NH4+	AMMONIA BY HACH DR-4000	MG/L	AC-00-036	$ 12.00
NI	NICKEL/TOTAL	UG/L	18SM3111B (Waste)	$ 30.00
NI DISS	NICKEL/DISSOLVED,0.45	UG/L	18SM3111B (Water)	$ 17.00
NI S	NICKEL/SOLIDS,EXTRACT	MG/KG	18SM3111B (Waste)	$ 30.00
NITRATE	NITRATE BY HACH DR-4000	MG/L	AC-00-036	$ 12.00
NO2	NITRITE	MG/L N	18SM4500NO3F	$ 16.00
NO2 SS	NITRITE/SOLIDS,EXTRACT	MG/KG N	18SM4500NO3F (Solids)	$ 25.00
NO3	NITRATE	MG/L N	18SM4500NO3F	$ 16.00
NO3 SS	NITRATE/SOLIDS,EXTRACT	MG/KG N	18SM4500NO3F (Solids)	$ 25.00

Parameter	Description	Units	Default Method	Cost
NO3+NO2	NITRATE+NITRITE,IC ADDITION	MG/L N	AC-00-020	$ -
NO3+NO2S	NITRATE+NITRATE AFTER EXTRACTION	MG/KG N	18SM4500NO3F (Solids)	$ 25.00
NO3-NO2N	NITRATE&NITRITE,BY CAD RED	MG/L N	EPA 353.2	$ 30.00
NOECCERI	WET ACUTE NOEC: CERIODAPHNIA	% EFFL	EPA1002.0	$ 750.00
NOECMINO	WET ACUTE NOEC: PIMAPHALES	% EFFL	EPA1000.0	$ 750.00
O2	OXYGEN, %GAS VOLUME	%	CARLE GC	$ -
OIL/GREA	OIL & GREASE	MG/L	Assaigai	$ 12.00
ORGAN-N	ORGANIC NITROGEN	MG/L N	AC-00-029	$ 28.00
ORPO4	ORTHOPHOSPHOROUS	MG/L P	18SM4500P.F	$ 16.00
P&MXYLEN	P-& M- XYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
P-01	ALDRIN	UG/L	EPA 608 (SLD)	$ -
P-01 S	ALDRIN/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-02	ALPHA-BHC	UG/L	EPA 608 (SLD)	$ -
P-02 S	ALPHA-BHC/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-03	BETA-BHC	UG/L	EPA 608 (SLD)	$ -
P-03 S	BETA-BHC/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-04	GAMMA-BHC	UG/L	EPA 608 (SLD)	$ -
P-04 S	GAMMA-BHC/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-05	DELTA-BHC	UG/L	EPA 608 (SLD)	$ -
P-05 S	DELTA-BHC,SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-06	CHLORDANE	UG/L	EPA 608 (SLD)	$ -
P-06 S	CHLORDANE/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-07	4,4'-DDT	UG/L	EPA 608 (SLD)	$ -
P-07 S	4,4'-DDT/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-08	4,4'-DDE	UG/L	EPA 608 (SLD)	$ -
P-08 S	4,4'-DDE/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-09	4,4'-DDD	UG/L	EPA 608 (SLD)	$ -
P-09 S	4,4'-DDD/SOLIDS/EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-10	DIELDRIN	UG/L	EPA 608 (SLD)	$ -
P-10 S	DIELDRIN/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-11	ALPHA-ENDOSULFAN	UG/L	EPA 608 (SLD)	$ -
P-11 S	ALPHA-ENDOSULFAN/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-12	BETA-ENDOSULFAN/SOLIDS,EXTRACT	UG/L	EPA 608 (SLD)	$ -
P-12 S	BETA-ENDOSULFAN	MG/KG	EPA 608 (SLD)	$ -
P-13	ENDOSULFANSULFATE	UG/L	EPA 608 (SLD)	$ -
P-13 S	ENDOSULFANSULFATE/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-14	ENDRIN	UG/L	EPA 608 (SLD)	$ -
P-14 S	ENDRIN/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-15	ENDRIN ALDEHYDE	UG/L	EPA 608 (SLD)	$ -
P-15 S	ENDRIN ALDEHYDE/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-16	HEPTACHLOR	UG/L	EPA 608 (SLD)	$ -
P-16 S	HEPTACHLOR/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
P-17	HEPTACHLOR EPOXIDE	UG/L	EPA 608 (SLD)	$ -
P-17 S	HEPTACHLOR EPOXIDE/SOLIDS,EXTRAC	MG/KG	EPA 608 (SLD)	$ -
P-18	PCB-1242	UG/L	EPA 608 (SLD)	$ -
P-18 S	PCB-1242/DIGESTED	MG/KG	EPA 8080 (SLD)	$ -
P-19	PCB-1254	UG/L	EPA 608 (SLD)	$ -
P-19 S	PCB-1254/DIGESTATE	MG/KG	EPA 608 (SLD)	$ -
P-20	PCB-1221	UG/L	EPA 608 (SLD)	$ -
P-20 S	PCB-1221	MG/KG	EPA 608 (SLD)	$ -
P-21	PCB-1232	UG/L	EPA 608 (SLD)	$ -
P-21 S	PCB-1232/DIGESTED	MG/KG	EPA 608 (SLD)	$ -

Parameter	Description	Units	Default Method	Cost
P-22	PCB-1248	UG/L	EPA 608 (SLD)	$ -
P-22 S	PCB-1248/DIGESTED	MG/KG	EPA 608 (SLD)	$ -
P-23	PCB-1260	UG/L	EPA 608 (SLD)	$ -
P-23 S	PCB-1260/DIGESTED	MG/KG	EPA 608 (SLD)	$ -
P-24	PCB-1016	UG/L	EPA 608 (SLD)	$ -
P-24 S	PCB-1016/DIGESTED	MG/KG	EPA 608 (SLD)	$ -
P-25	TOXAPHENE	UG/L	EPA 608 (SLD)	$ -
P-25 S	TOXAPHENE/SOLIDS,EXTRACT	MG/KG	EPA 608 (SLD)	$ -
PB	LEAD/TOTAL	UG/L	18SM3113B (Waste)	$ 30.00
PB DISS	LEAD/DISSOLVED	UG/L	18SM3113B (Water)	$ 17.00
PB S	LEAD/SOLIDS,EXTRACT	MG/KG	18SM3113B (Waste)	$ 30.00
PCB	AROCLOR ISOMERS	UG/KG	SW846 8082 (Assaigai)	$ 975.00
PH	PH	STD UNIT	18SM4500H.B	$ 6.00
PHENL SS	TOTAL PHENOLICS FOR SOLIDS	MG/KG	EPA 420.1 (Solids)	$ 95.00
PHENOLIC	TOTAL RECOVERABLE PHENOLICS	UG/L	EPA 420.1	$ 80.00
PHENOLS	PHENOLS	UG/L		#N/A
PHS	PH SATURATION INDEX	STD UNIT	16SM203	$ 15.00
P-T	TOTAL ORGANIC PESTICIDE	UG/L	ORGANIC CALC.	$ -
P-T S	TOTAL ORGANIC PESTICIDE	MG/KG	ORGANIC CALC.	$ -
RA 226	RADIUM 226	PCI/L	EPA 903.1 (SLD)	$ -
RA 228	RADIUM 228	PCI/L	EPA 904.0 (SLD)	$ -
RA COMB	RADIUM 226+228 COMBINED	PCI/L	CALC.	$ -
RA-226	RADIUM-226	PCI/L	EPA 903.1 (SLD)	$ -
RECEIVED	SLD RESULTS RECEIPT	Y/N	SLD CONTRACT	$ -
REPORTED	SLD RESULTS REPORT	Y/N	SLD CONTRACT	$ -
RIVRGAGE	FLOW GAGE ON RIVER	CFS	USGS GUAGE	$ -
RN 222	RADON 222	PCI/L	EPA 913.0 (SLD)	$ -
ROTIF	ROTIFERS	COUNT	WQL-MICROEXAM	$ 2.75
RVR FLOW	RIVER FLOW AT SAMPLE POINT	CFS	USGS GUAGE	$ -
SB	ANTIMONY/TOTAL	UG/L	18SM3113B (Waste)	$ 30.00
SB DISS	ANTIMONY/DISSOLVED,0.45	UG/L	18SM3113B (Water)	$ 17.00
SB S	ANTIMONY/SOLIDS,EXTRACT	MG/KG	18SM3113B (Waste)	$ 30.00
SE	SELENIUM/TOTAL	UG/L	18SM3113B (Waste)	$ 30.00
SE DISS	SELENIUM/DISSOLVED 0.45 U	UG/L	18SM3113B (Water)	$ 17.00
SE S	SELENIUM/SOLIDS,EXTRACT	MG/KG	18SM3113B (Waste)	$ 30.00
SI	SILICON,TOTAL	MG/L	18SM3120B (Waste)	$ 10.00
SI DISS	SILICON/DISSOLVED,0.45	MG/L	18SM3120B (Water)	$ 6.50
SI S	SILICON/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
SIO2	SILICA	MG/L	17SM4500SI.F	$ 25.00
SI-SIO2	SILICATE-SIO2	MG/L	18SM3120B (Waste)	$ 10.00
SI-SIO2D	SILICATE-SIO2/DISSOLVED,0.45	MG/L	18SM3120B (Water)	$ 6.50
SI-SIO2S	SILICON AS SILICA IN SOLIDS	MG/KG	18SM3120B (Waste)	$ 10.00
SN	TIN/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
SN S	TIN/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
SO4	SULFATE	MG/L	18SM4110B	$ 12.00
SO4 SS	SULPHATE FOR SOLIDS	MG/KG	18SM4110B	$ 12.00
SR	STRONTIUM/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
SR DISS	STRONTIUM/DISSOLVED,0.45	UG/L	18SM3120B (Water)	$ 6.50
SR S	STRONTIUM/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
STDPLATE	STANDARD PLATE COUNT	CT/ML	18SM9215C	$ 21.00
STKCILLI	STALKED CILLIATES	COUNT	WQL-MICROEXAM	$ 2.75
SUBMITTED	SLD SAMPLE SUBMISSION	Y/N	SLD CONTRACT	$ -

Parameter	Description	Units	Default Method	Cost
SULFIDE	SULFIDE BY METHYLENE BLUE	MG/L	18SM4500S.D	$ 18.00
TARDIGRA	TARDIGRADIA	COUNT	WQL-MICROEXAM	$ 2.75
TC	TOTAL COLIFORM	CT/100ML	18SM9222B (MF)	$ 25.00
TC P/A	TOTAL COLIFORM PRESENT ABSENCE	P/A	18SM9222B (P/A)	$ 25.00
TCL2	TOTAL CHLORINE RESIDUAL	MG/L	18SM4500CLD.C	$ 15.00
TCLP	TOXIC CHARACTERISTIC LEACHING PROCEDURE	PASS/FAIL	SW846 1311 (Assaigai)	$ 975.00
TCOLI	TOTAL COLIFORMS BY COLIALERT	1=PRESENT	WQLMUG01	$ 25.00
TDS	TOTAL DISSOLVED SOLIDS	MG/L	18SM2540C	$ 12.00
TEMP C	TEMPERATURE IN CENTIGRADE	C	AC-00-028	$ 6.00
TH 230	THORIUM 230	PCI/L	SLDSEQUENTIAL	$ -
TH 232	THORIUM 232	PCI/L	SLDSEQUENTIAL	$ -
THF	TETRAHYDROFURAN (THF) PRUGED	UG/L	EPA 524.2 (SLD)	$ -
TKN	TOTAL KJELDAHL NITROGEN	MG/L N	18SM4500NORGB	$ 28.00
TKN SS	TKN/SOLIDS,DIGESTATE	MG/KG N	18SM4500NORGB (Solids)	$ 40.00
TL	THALLIUM/TOTAL	UG/L	18SM3113B (Waste)	$ 30.00
TL DISS	THALLIUM/DISSOLVED	UG/L	18SM3113B (Water)	$ 17.00
TL S	THALLIUM/SOLIDS,EXTRACT	MG/KG	18SM3113B (Waste)	$ 30.00
TLP3B	CERIO ACCEPTANCE/ PASS/FAIL	0=PASS	EPA1002.0	$ 750.00
TLP6C	MINNOW PASS/FAIL ACCEPTANCE	0=PASS	EPA1000.0	$ 750.00
TNITRO	TOTAL KJELDAHL NITROGEN/HACH DR4000	MG/L	WQL AC-036	$ 12.00
TOC	TOTAL ORGANIC CARBON	MG/L	18SM5310C	$ 27.00
TOP3B	CERIOS NOEC: SURVIVAL	% EFFL	EPA1002.0	$ 750.00
TOP6C	MINNOW NOEC: SURVIVAL	% EFFL	EPA1000.0	$ 750.00
TOPO4	TOTAL PHOSPHOROUS AS P	MG/L P	18SM4500P.F	$ 16.00
TOTAL-M	TOTAL METALS	UG/L	CALC.	$ -
TPH	TOTAL PETROLEUM HYDROCARBONS	MG/L	EPA 418	$ 30.00
TPO4DISS	TOTAL PHOSPHOROUS AS P DISSOLVED	MG/L P	18SM4500P.F	$ 16.00
TPP3B	CERIOS NOEC: REPRO	% EFFL	EPA1002.0	$ 750.00
TPP6C	MINNOW NOEC: GROWTH	% EFFL	EPA1000.0	$ 750.00
TQP3B	CERIOS COEFF VAR.	% EFFL	EPA1002.0	$ 750.00
TQP6C	MINNOW COEF VAR.	% EFFL	EPA1000.0	$ 750.00
TS	TOTAL SOLIDS	%	18SM2540G	$ 11.00
TSS	TOTAL SUSPENDED SOLIDS	MG/L	18SM2540D	$ 12.00
TTHM	TOTAL TRIHALOMETHANES	UG/L	ORGANIC CALC.	$ -
TTLNITRO	TOTAL NITROGEN	MG/L N	CALC.	$ -
TURB	TURBIDITY	NTU	AC-00-031	$ 8.00
TVS	TOTAL VOLATILE SOLIDS	%	18SM2540G	$ 11.00
TVSS	TOTAL VOLATILE SUSPENDED--SOLIDS	MG/L	18SM2540E	$ 12.00
U	URANIUM/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
U 234	URANIUM 234	PCI/L	SLDSEQUENTIAL	$ -
U 238	URANIUM 238	PCI/L	SLDSEQUENTIAL	$ -
U DISS	URANIUM/DISSOLVED	UG/L	18SM3120B (Water)	$ 6.50
U S	URANIUM/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
UREA	UREA/CALCULATED	MG/L N	17SM4500NORGB	$ 40.00
V	VANADIUM/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
V DISS	VANADIUM/DISSOLVED	UG/L	18SM3120B (Water)	$ 6.50
V S	VANADIUM/SOLIDS/EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
V-01	ACROLEIN	UG/L	EPA 524.2 (SLD)	$ -
V-01 S	ACROLEIN/SOLIDS,EXTRACT	MG/KG	EPA 1624.C (SLD)	$ -
V-02	ACRYLONITRILE	UG/L	EPA 524.2 (SLD)	$ -
V-02 S	ACRYLONITRILE/SOLIDS,EXTRACT	MG/KG	EPA 1624.C (SLD)	$ -
V-03	BENZENE	UG/L	EPA 524.2 (SLD)	$ -

Parameter	Description	Units	Default Method	Cost
V-03 S	BENZENE/SOLIDS,EXTRACT	MG/KG	EPA 1624.C (SLD)	$ -
V-04	BIS (CHLOROMETHYL) ETHER	UG/L	EPA 524.2 (SLD)	$ -
V-04 S	BIS(CHLOROMETHYL)ETHER/EXTRACT	MG/KG	EPA 1624.C (SLD)	$ -
V-05	BROMOFORM/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-05 S	BROMOFORM/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-06	CARBON TETRACHLORIDE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-06 S	CARBON TETRACHLORIDE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-07	CHLOROBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-07 S	CHLOROBENZENE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-08	CHLORODIBROMOMETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-08 S	CHLORODIBROMOMETHANE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-09	CHLOROETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-09 S	CHLOROETHANE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-10	2-CHLOROETHYLVINYL ETHER/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-10 S	2-CHLOROETHYLVINYL ETHER/EXTRACT	MG/KG	EPA 1624.C (SLD)	$ -
V-11	CHLOROFORM/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-11 S	CHLOROFORM/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-12	DICHLOROBROMOMETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-12 S	DICHLOROBROMOMETHANE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-13	DICHLORODIFLUOROMETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-13 S	DICHLORODIFLUOROMETHANE/EXTRACT	MG/KG	EPA 1624.C (SLD)	$ -
V-14	1,1-DICHLOROETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-14 S	1,1-DICHLOROETHANE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-15	1,2-DICHLOROETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-15 S	1,2-DICHLOROETHANE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-16	1,1-DICHLOROETHYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-16 S	1,1-DICHLOROETHYLENE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-17	1,2-DICHLOROPROPANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-17 S	1,2-DICHLOROPROPANE/EXTRACT	MG/KG	EPA 1624.C (SLD)	$ -
V-18	1,2-DICHLOROPROPYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-18 S	1,2-DICHLOROPROPYLENE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-19	ETHYLBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-19 S	ETHYLBENZENE/EXTRACT	MG/KG	EPA 1624.C (SLD)	$ -
V-20	METHYL BROMIDE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-20 S	METHYL BROMIDE/PURGED	MG/KG	EPA 1624.C (SLD)	$ -
V-21	METHYL CHLORIDE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-21 S	METHYL CHLORIDE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-22	METHYLENE CHLORIDE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-22 S	METHYLENE CHLORIDE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-23	1,1,2,2-TETRACHLOROETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-23 S	1,1,2,2-TETRACHLOROETHANE/EXTRAC	MG/KG	EPA 1624.C (SLD)	$ -
V-24	TETRACHLOROETHYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-24 S	TETRACHLOROETHYLENE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-25	TOLUENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-25 S	TOLUENE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-26	1,2-TRANS-DICHLOROETHYLENE/PURGE	UG/L	EPA 524.2 (SLD)	$ -
V-26 S	1,2-TRANS-DICHLOROETHYLENE/EXTRA	MG/KG	EPA 1624.C (SLD)	$ -
V-27	1,1,1-TRICHLOROETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-27 S	1,1,1-TRICHLOROETHANE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-28	1,1,2-TRICHLOROETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-28 S	1,1,2-TRICHLOROETHANE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-29	TRICHLOROETHYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -

Parameter	Description	Units	Default Method	Cost
V-29 S	TRICHLOROETHYLENE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-30	TRICHLOROFLUOROMETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-30 S	TRICHLOROFLUOROMETHANE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-31	VINYL CHLORIDE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-31 S	VINYL CHLORIDE/EXTRACTED	MG/KG	EPA 1624.C (SLD)	$ -
V-32	CIS-1,2-DICHLOROETHYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-33	DIBROMOMETHANE/PURGED	UG/L	EPA 1624.C (SLD)	$ -
V-34	1,2-DIBROMOETHANE (EDB)	UG/L	EPA 504 (SLD)	$ -
V-34 S	1,2-DIBROMOETHANE (EDB)	MG/KG	EPA 504 (SLD)	$ -
V-34B	ETHYLENE DIBROMIDE-EXTRACTED	UG/L	EPA 504 (SLD)	$ -
V-35	1,2-DIBROMO-3-CHLOROPROPANE,PURG	UG/L	EPA 504 (SLD)	$ -
V-35B	DIBROMOCHLOROPROPANE-EXTRACTED	UG/L	EPA 504 (SLD)	$ -
V-36	1,3-DICHLOROPROPANE,PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-37	BROMOCHLOROMETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-38	1,2,3-TRICHLOROPROPANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-39	PENTACHLOROETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-40	SEC-DICHLOROPROPANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-41	O-CHLOROTOLUENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-42	P-CHLOROTOLUENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-43	P-ISOPROPYLTOLUENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-44	1,1-DICHLOROPROPANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-45	2,2-DICHLOROPROPANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-46	1,1-DICHLOROPROPENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-47	1,1,1,2-TETRACHLOROETHANE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-48	1,2,3-TRICHLOROBENZENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-49	CIS-1,3-DICHLOROPROPYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
V-50	TRANS-1,3-DICHLOROPROPYLENE/PURG	UG/L	EPA 524.2 (SLD)	$ -
V-60	XYLENE/PURGED	UG/L	EPA 524.2 (SLD)	$ -
VOC 760	VOCs at SLD		SLD 760	$ -
VOC 765	VOCs at SLD		SLD 765	$ -
VOLA	VOLATILE ACIDS	MG/L	18SM5560C	$ 40.00
VSS	VOLATILE SUSPENDED--SOLIDS	MG/L	18SM2540E	$ 12.00
V-T	TOTAL ORGANIC VOLATILES	UG/L	ORGANIC CALC.	$ -
V-T S	TOTAL ORGANIC VOLATILES	MG/KG	ORGANIC CALC.	$ -
X-TTO	TOTAL TOXIC ORGANICS	UG/L	ORGANIC CALC.	$ -
ZN	ZINC/TOTAL	UG/L	18SM3120B (Waste)	$ 10.00
ZN DISS	ZINC/DISSOLVED	UG/L	18SM3120B (Water)	$ 6.50
ZN S	ZINC/SOLIDS,EXTRACT	MG/KG	18SM3120B (Waste)	$ 10.00
ZZZZ	AD-HOC SAMPLE LOGGING CONFIRMATION		SAMPLE DEPENDENT	$ 25.00