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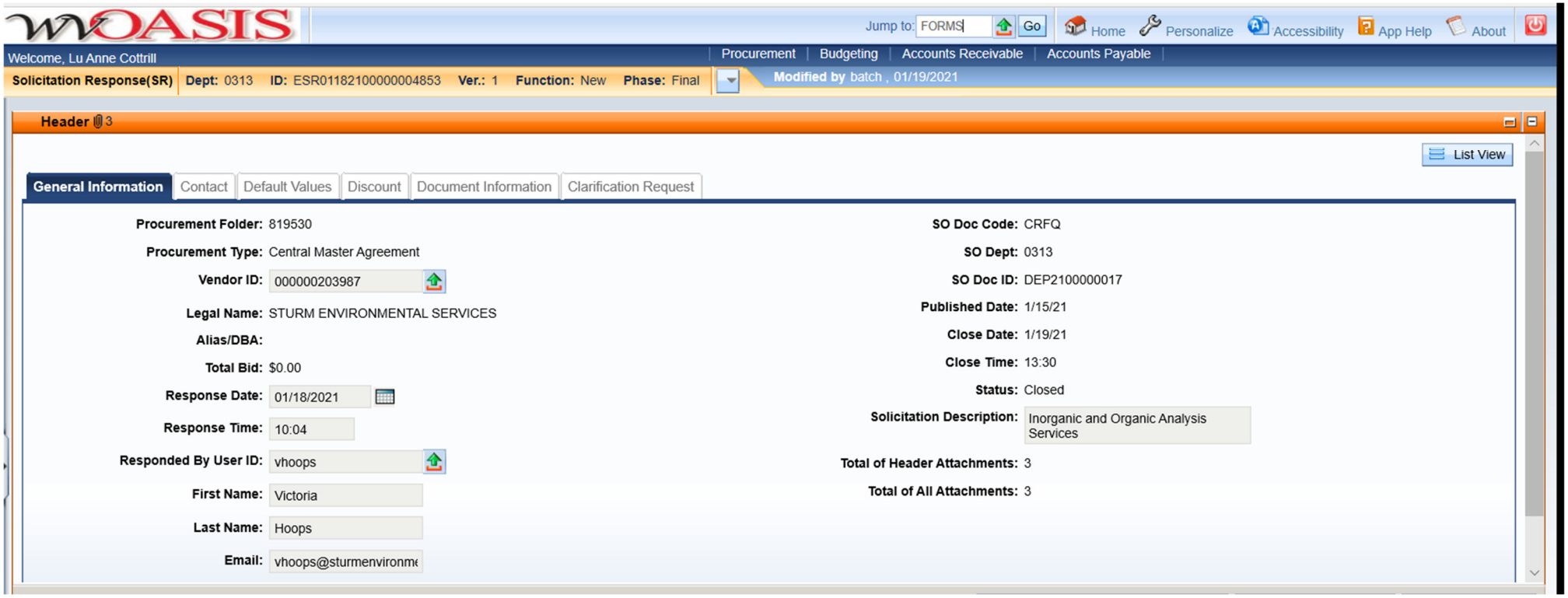
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Welcome, Lu Anne Cottrill
Procurement | Budgeting | Accounts Receivable | Accounts Payable
Solicitation Response(SR) Dept: 0313 ID: ESR01182100000004853 Ver.: 1 Function: New Phase: Final
Modified by batch , 01/19/2021
Header 3
List View
General Information
Contact
Default Values
Discount
Document Information
Clarification Request
Procurement Folder: 819530
Procurement Type: Central Master Agreement
Vendor ID: 000000203987
Legal Name: STURM ENVIRONMENTAL SERVICES
Alias/DBA:
Total Bid: $0.00
Response Date: 01/18/2021
Response Time: 10:04
Responded By User ID: vhoops
First Name: Victoria
Last Name: Hoops
Email: vhoops@sturmenvironme
SO Doc Code: CRFQ
SO Dept: 0313
SO Doc ID: DEP2100000017
Published Date: 1/15/21
Close Date: 1/19/21
Close Time: 13:30
Status: Closed
Solicitation Description: Inorganic and Organic Analysis Services
Total of Header Attachments: 3
Total of All Attachments: 3

Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Solicitation Response

Proc Folder:	819530
Solicitation Description:	Inorganic and Organic Analysis Services
Proc Type:	Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2021-01-19 13:30	SR 0313 ESR01182100000004853	1

VENDOR

000000203987
STURM ENVIRONMENTAL SERVICES

Solicitation Number: CRFQ 0313 DEP2100000017

Total Bid: 0 **Response Date:** 2021-01-18 **Response Time:** 10:04:55

Comments:

FOR INFORMATION CONTACT THE BUYER
Joseph E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor
Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Analysis Services	0.00000			

Comm Code	Manufacturer	Specification	Model #
81102600			

Commodity Line Comments: no discount

Extended Description:

Analysis Services as outlined on the attached bid sheet.

Item #	Parameter Description (with Matrix, Method, and/or Speciation)	Alias	Desired Matrix MDL	Method ID	Method Detection Limit	Practical Quantitation Limit	Unit Price	Yearly Est. Quantity	Extended Amount
	INORGANICS								
	Physical/Wet Chemistry								
1	Acidity, Cold	Acidity, Total	1 mg/L	2310	1	1	7	25	$175.00
1A	Acidity, Cold (Method: Alternate)	Acidity, Total						10	$0.00
2	Acidity, Hot (as CaCO3)		5 mg/L	2310B	1	1	7	4000	$28,000.00
2A	Acidity, Hot (Method: Alternate)							1000	$0.00
3	Acidity, Mineral (as CaCO3)		1 mg/L	2310	1	1	7	25	$175.00
3A	Acidity, Mineral (Method: Alternate)							10	$0.00
4	Alkalinity (as CaCO3)		5 mg/L	2320B	1	1	7	4000	$28,000.00
4A	Alkalinity (Method: Alternate)							1000	$0.00
5	Alkalinity, Bicarbonate (as CaCO3)		1 mg/L	2320B	1	1	9	20	$180.00
6	Alkalinity, Carbonate (as CaCO3)		1 mg/L	2320B	1	1	9	20	$180.00
7	Alkalinity, Phenolphthalein		2 mg/L					20	$0.00
8	Bromide (High Level)			300	0.1	0.5	11	25	$275.00
9	Bromide (Low Level)							10	$0.00
10	Bromide (Solid)							10	$0.00
11	Chloride (High Level)			300	1	1	12	3000	$36,000.00
12	Chloride (Low Level)							100	$0.00
13	Chloride (Solid)			300	10	10	22	10	$220.00
14	Color (Method: ADMI)		10 ADMI value					25	$0.00
15	Color (Method: APHA)		5 color units					25	$0.00
16	Conductance, Specific	Lab Specific Conductance @ 25°C	3 uS/cm^2	EPA120.1	1	20	6	1000	$6,000.00
17	Conductance, Specific (Method: Alternate)	Lab Specific Conductance @ 25°C						500	$0.00
18	Fluoride (High Level)			300	0.06	0.25	11	25	$275.00
19	Fluoride (Low Level)							10	$0.00
20	Fluoride (Solid)							10	$0.00
21	Oxygen Demand, Biological	BOD	1 mg/L	5210B	2	3	30	25	$750.00
21A	Oxygen Demand, Biological (Method: Alternate)	BOD						10	$0.00
22	Oxygen Demand, Carbonaceous Biological	CBOD	1 mg/L	5210B	2	3	42	25	$1,050.00
22A	Oxygen Demand, Carbonaceous Biological (Method: Alternate)	CBOD						10	$0.00
23	Oxygen Demand, Chemical	COD	0.5 mg/L	5220D	10	20	30	25	$750.00
23A	Oxygen Demand, Chemical (Method: Alternate)	COD						10	$0.00
24	pH	Lab pH	SU	4500HB	0.1	2.-10.	6	4000	$24,000.00
25	pH (Solid)			SW90450			16	10	$160.00
26	Solids, Percent		1%		0.1	4.-10.	10	25	$250.00
26A	Solids, Percent (Method: Alternate)							10	$0.00
27	Solids, Percent (Solid)		1%					10	$0.00
28	Solids, Total Dissolved	TDS; Filterable Residue		1-1750-85	4	4	14	3000	$42,000.00
28A	Solids, Total Dissolved (Method: Alternate)	TDS; Filterable Residue						1000	$0.00
29	Solids, Settleable						7	30	$210.00
29A	Solids, Settleable (Method: Alternate)							30	$0.00
30	Solids, Total Suspended	TSS; Non-Filerable Residue		1-3765-85	4	4	14	4000	$56,000.00
30A	Solids, Total Suspended (Method: Alternate)	TSS; Non-Filerable Residue						1000	$0.00
31	Solids, Total Volatile			1-3753-85	1	1	11	25	$275.00
31A	Solids, Total Volatile (Method: Alternate)							10	$0.00
32	Solids, Total Volatile (Solid)							10	$0.00
33	Solids, Total	Total Residue		1-3750-85	1	1	11	25	$275.00
33A	Solids, Total (Method: Alternate)	Total Residue						10	$0.00
34	Solids, Total (Solid)	Total Residue						10	$0.00
35	Sulfate	SO4	5 mg/L	300	1	10	11	4000	$44,000.00
35A	Sulfate (Method: Alternate)							1000	$0.00
36	Sulfate (Solid)	SO5		300	10	100	21	10	$210.00
37	Turbidity	Lab Turbidity		2130B	0.2	15	6	20	$120.00
37A	Turbidity (Method: Alternate)							10	$0.00
	Metals								
38	Aluminum (High Level)	Al		200.7	0.04	0.25	10	4000	$40,000.00
39	Aluminum (Low Level)	Al						100	$0.00
40	Aluminum (Solid)	Al	40 mg/Kg	6010D	2	2.5	20	10	$200.00
41	Barium (High Level)	Ba		200.7	0.003	0.05	10	20	$200.00
42	Barium (Low Level)	Ba						10	$0.00
43	Barium (Solid)	Ba	40 mg/Kg	6010D	0.15	2.5	20	10	$200.00
44	Beryllium (High Level)	Be		200.7	0.0005	0.05	10	20	$200.00
45	Beryllium (Low Level)	Be		200.9	0.0001	0.0005	22	10	$220.00

46	Beryllium (Solid)	Be	1 mg/Kg	6010D	0.05	2.5	20	10	$200.00
47	Cadmium (Low Level)	Cd		200.9	0.0003	0.0005	10	200	$2,000.00
48	Cadmium (High Level)	Cd		200.7	0.002	0.05	22	20	$440.00
49	Cadmium (Solid)	Cd	1 mg/Kg	6010D	0.1	2.5	20	10	$200.00
50	Calcium (High Level)	Ca		200.7	0.15	0.5	10	500	$5,000.00
51	Calcium (Low Level)	Ca						20	$0.00
52	Calcium (Solid)	Ca	1000 mg/Kg	6010D	15	25	20	10	$200.00
53	Chromium (High Level)	Cr		200.7	0.003	0.05	10	20	$200.00
54	Chromium (Low Level)	Cr		200.9	0.0003	0.001	22	10	$220.00
55	Chromium (Solid)	Cr	2 mg/Kg	6010D	0.15	2.5	20	10	$200.00
56	Chromium, Hexavalent (High Level)	Chromium VI or Cr-VI		3500CR-B	0.007	0.02	30	200	$6,000.00
57	Chromium, Hexavalent (Low Level)	Chromium VI or Cr-VI						10	$0.00
58	Chromium, Hexavalent (Solid)	Chromium VI or Cr-VI	0.017 mg/kg					10	$0.00
59	Cobalt (High Level)	Co		200.7	0.01	0.05	10	20	$200.00
60	Cobalt (Low Level)	Co						10	$0.00
61	Cobalt (Solid)	Co	10 mg/Kg	6010D	0.5	2.5	20	10	$200.00
62	Copper (High Level)	Cu		200.7	0.005	0.05	10	200	$2,000.00
63	Copper (Low Level)	Cu		200.9	0.002	0.005	22	20	$440.00
64	Copper (Solid)	Cu	5 mg/Kg	6010D	0.2	2.5	20	10	$200.00
65	Hardness			23403/200.7	1		20	500	$10,000.00
66	Hardness (Method: Alternate)							100	$0.00
67	Hardness (Solid)							10	$0.00
68	Iron (High Level)	Fe		200.7	0.05	0.25	10	3000	$30,000.00
69	Iron (Low Level)	Fe						100	$0.00
70	Iron (Solid)	Fe	20 mg/Kg	6010D	215	12.5	20	10	$200.00
71	Iron, Ferrous (Method: SM)	Fe2+		3500 FE-B	0.02	0.6	11	25	$275.00
72	Iron, Ferrous (Low Level)	Fe2+						10	$0.00
73	Iron, Ferric	Fe3+		CALC.	0.05		11	50	$550.00
74	Lead (Low Level)	Pb		200.9	0.002	0.005	22	200	$4,400.00
75	Lead (High Level)	Pb		200.7	0.02	0.05	22	10	$220.00
76	Lead (Solid)	Pb	1 mg/Kg	6010	1	2.5	32	10	$320.00
77	Magnesium (High Level)	Mg		200.7	0.1	0.5	10	500	$5,000.00
78	Magnesium (Low Level)	Mg						20	$0.00
79	Magnesium (Solid)	Mg	1000 mg/Kg	6010D	5	25	20	10	$200.00
80	Manganese (High Level)	Mn		200.7	0.002	0.05	10	3000	$30,000.00
81	Manganese (Low Level)	Mn						100	$0.00
82	Manganese (Solid)	Mn	3 mg/Kg	6010D	0.1	2.5	20	10	$200.00
83	Mercury (High Level MDL)	Hg	0.0001 mg/L	N/A				200	$0.00
84	Mercury (Low Level MDL; Method SM 1631E or EPA 245.7)	Hg	0.2 ng/L	N/A				200	$0.00
85	Mercury (Solid-Low Level MDL; Method: EPA 245.5)	Hg	0.1 mg/kg					10	$0.00
86	Molybdenum (High Level)	Mo		200.7	0.02	0.05	10	20	$200.00
87	Molybdenum (Low Level)	Mo						10	$0.00
88	Molybdenum (Solid)	Mo	8 mg/Kg	6010D	1	2.5	20	10	$200.00
89	Nickel (High Level)	Ni		200.7	0.006	0.05	10	200	$2,000.00
90	Nickel (Low Level)	Ni						20	$0.00
91	Nickel (Solid)	Ni	8 mg/Kg	6010D	0.3	2.5	20	10	$200.00
92	Potassium (High Level)	K		200.7	0.02	0.5	10	500	$5,000.00
93	Potassium (Low Level)	K						20	$0.00
94	Potassium (Solid)	K	1000 mg/Kg	6010D	2	25	20	10	$200.00
95	Silver (Low Level)	Ag		200.7	0.005	0.05	10	200	$2,000.00
96	Silver (High Level)	Ag		200.9	0.0003	0.001	22	20	$440.00
97	Silver (Solid)	Ag	2 mg/Kg	6010D	0.25	2.5	20	10	$200.00
98	Sodium (High Level)	Na		200.7	0.05	0.5	10	500	$5,000.00
99	Sodium (Low Level)	Na						20	$0.00
100	Sodium (Solid)	Na	1000 mg/Kg	6010D	4	25	20	10	$200.00
101	Strontium (High Level)	Sr		200.7	0.002	0.05	10	200	$2,000.00
102	Strontium (Low Level)	Sr						20	$0.00
103	Thallium (High Level)	Th						20	$0.00
104	Thallium (Low Level)	Th		2009	0.001	0.005	22	10	$220.00
105	Thallium (Solid)	Th	2 mg/Kg	SW7010	0.5	0.5	32	10	$320.00
106	Tin (High Level)	Sn		200.7	0.015	0.05	10	20	$200.00
107	Tin (Low Level)	Sn						10	$0.00
108	Tin (Solid)	Sn		6010	0.75	2.5	20	10	$200.00
109	Vanadium (High Level MDL)	Va		200.7	0.006	0.05	10	20	$200.00
110	Vanadium (Low Level MDL)	Va						10	$0.00
111	Vanadium (Solid)	Va	4 mg/Kg	6010	0.3	2.5	20	10	$200.00
112	Zinc (High Level)	Zn		200.7	0.02	0.05	10	200	$2,000.00
113	Zinc (Low Level)	Zn						20	$0.00
114	Zinc (Solid)	Zn	2 mg/Kg	6010	1	2.5	20	10	$200.00
	Metals Prep								

115	Metals Prep Cost (Methods: 200.7, 200.8. 6010, 6020, 3114)		N/A		N/A	N/A	5	2000	$10,000.00
116	Metals Prep Cost (Solid-Methods: 200.7, 200.8. 6010, 6020, 3114)		N/A		N/A	N/A	5	100	$500.00
	Non-Metals								
117	Antimony (High Level)	Sb		200.9	0.0025	0.005	22	20	$440.00
118	Antimony (Low Level)	Sb						10	$0.00
119	Antimony (Solid)	Sb	12 mg/Kg	7010	0.5	0.5	32	10	$320.00
120	Arsenic (High Level)	As		200.9	0.0025	0.005	22	20	$440.00
121	Arsenic (Low Level)	As						10	$0.00
122	Arsenic (Solid)	As	2 mg/Kg	6010	2	2.5	32	10	$320.00
123	Boron (High Level)	B		200.7	0.1	0.1	10	20	$200.00
124	Boron (Low Level)	B						10	$0.00
125	Boron (Solid)	B		6010	5	5	20	10	$200.00
126	Chlorine, Total Residual	Free + Combined/Available Chlorine						20	$0.00
127	Selenium (High Level)	Se		200.9	0.0015	0.005	30	500	$15,000.00
128	Selenium (Low Level)	Se						20	$0.00
129	Selenium (Solid)	Se	1 mg/Kg	7010	0.5	0.5	40	10	$400.00
130	Silicon	Si						20	$0.00
131	Silica	Silicon Dioxide (SiO2)			0.09	0.25	10	25	$250.00
132	Silica (Solid)	Silicon Dioxide (SiO2)	20 mg/Kg					20	$0.00
133	Sulfite	SO3	2 mg/L					15	$0.00
134	Sulfide	S2-	1 mg/L	4500	5	5	11	20	$220.00
134A	Sulfide (Method: Alternate)	S2-						10	$0.00
	Nutrients								
135	Nitrogen, Ammonia (as N)		0.02 mg/L	4500NH3	0.6	10	19	50	$950.00
135A	Nitrogen, Ammonia (as N) (Method: Alternate)							10	$0.00
136	Nitrogen, Ammonia (as N) (Solid)			4500 2011	60	1000	29	10	$290.00
136A	Nitrogen, Ammonia (as N) (Solid-Method: Alternate)							10	$0.00
137	Nitrogen, Organic (as N)		0.5 mg/L					50	$0.00
137A	Nitrogen, Organic (as N) (Method: Alternate)							10	$0.00
138	Nitrogen, Total Kjeldahl (as N)	TKN; Organic Nitrogen + Ammonia	0.05 mg/L	4500NH3	0.3	10	29	400	$11,600.00
138A	Nitrogen, Total Kjeldahl (as N) (Method: Alternate)	TKN; Organic Nitrogen + Ammonia						100	$0.00
139	Nitrogen, Total Kjeldahl (as N) (Solid)	TKN; Organic Nitrogen + Ammonia		4500 2011	50	1000	39	10	$390.00
139A	Nitrogen, Total Kjeldahl (as N) (Solid-Method: Alternate)	TKN; Organic Nitrogen + Ammonia						10	$0.00
140	Nitrogen, Nitrate (NO3 as N)		0.01 mg/L	300	0.07	0.25	12	50	$600.00
140A	Nitrogen, Nitrate (NO3 as N) (Method: Alternate)							10	$0.00
141	Nitrogen, Nitrite (NO2 as N)		0.01 mg/L		0.02	0.25	12	50	$600.00
141A	Nitrogen, Nitrite (NO2 as N) (Method: Alternate)							10	$0.00
142	Nitrogen, Nitrite (NO2 as N) (Solid)							10	$0.00
142A	Nitrogen, Nitrite (NO2 as N) (Solid-Method: Alternate)							10	$0.00
143	Nitrogen, Nitrate + Nitrite (NO3+NO2 as N)	Nitrate-Nitrite-Nitrogen	0.01 mg/L	300			24	400	$9,600.00
143A	Nitrogen, Nitrate + Nitrite (NO3+NO2 as N) (Method: Alternate)	Nitrate-Nitrite-Nitrogen						100	$0.00
144	Nitrogen, Nitrate + Nitrite (NO3+NO2 as N) (Solid)	Nitrate-Nitrite-Nitrogen						10	$0.00
144A	Nitrogen, Nitrate + Nitrite (NO3+NO2 as N) (Solid-Method: Alternate)	Nitrate-Nitrite-Nitrogen						10	$0.00
145	Phosphorus, Orthophosphate (as P)	Inorganic Phosphorus	0.01 mg/L	4500PB.5	0.01	0.02	10	50	$500.00
145A	Phosphorus, Orthophosphate (as P) (Method: Alternate)	Inorganic Phosphorus						10	$0.00
146	Phosphorus, Total (Mixed Forms; P as P)		0.003 mg/L	200.7	0.04	0.25	24	400	$9,600.00
146A	Phosphorus, Total (Mixed Forms; P as P) (Method: Alternate)							100	$0.00
147	Phosphorus, Total (Mixed Forms; P as P) (Solid)							10	$0.00
147A	Phosphorus, Total (Mixed Forms; P as P) (Solid-Method: Alternate)							10	$0.00
148	Phosphorus, Total Phosphate (Mixed Forms; P as PO4)	Phosphate-Phosphorus	0.01 mg/L	4500PE	0.01	0.02	24	50	$1,200.00
148A	Phosphorus, Total Phosphate (Mixed Forms; P as PO4) (Method: Alternate)	Phosphate-Phosphorus						10	$0.00
149	Phosphorus, Total Phosphate (Mixed Forms; P as PO4) (Solid)	Phosphate-Phosphorus						10	$0.00
149A	Phosphorus, Total Phosphate (Mixed Forms; P as PO4) (Solid-Method: Alternate)	Phosphate-Phosphorus						10	$0.00
	Microbiological								
150	Enterococci	Enterococcus						100	$0.00

151	Escherichia coli (Method: MF)		1 col/100 mL					25	$0.00
151A	Escherichia coli (Method: Alternate)							10	$0.00
152	Coliform, Fecal (Method: MF)		4 col/100 mL	9222D	2	30	48	4000	#########
153	Coliform, Fecal (Method: MPN)		4 col/100 mL	9223B	1		60	100	$6,000.00
153A	Coliform, Fecal (Method: Alternate MPN)							50	$0.00
154	Coliform, Fecal (Solid-Method: MPN)							25	$0.00
155	Coliform, Total (Method: MF)							20	$0.00
156	Coliform, Total (Method: MPN)			9223	1		60	20	$1,200.00
157	Fecal Streptococci		4 col/100 mL					10	$0.00
157A	Fecal Streptococci (Method: Alternate)							10	$0.00
158	Fecal Streptococci (Solid)							10	$0.00
159	Iron Bacteria			DBI BART	25 CPU	100 MGS	60	20	$1,200.00
160	Sulfate Reducing Bacteria			DBI BART	200 CPU	100MGS	60	20	$1,200.00
	Chlorophyll/Biological								
161	Chlorophyll a		0.5 mg/L					100	$0.00
161A	Chlorophyll a (Method: Alternate)							20	$0.00
162	Chlorophyll: Trichormatic and Monochromatic Chlorophylls (SM-10200-H)	Total Algal Biomass, Uncorrected Chlorophyll a, b, & c, Corrected Chlorophyll a, and Pheophytin	2 µg/l or mg/m3					100	$0.00
	Chemical/Carbon								
163	Carbon, Total Organic (as C)	TOC	1 mg/L	5310B	2	5	42	25	$1,050.00
163A	Carbon, Total Organic (as C) (Method: Alternate)	TOC						10	$0.00
164	Carbon. Dissolved Organic (as C)	DOC	1 mg/L	5310b	2	5	42	25	$1,050.00
164A	Carbon. Dissolved Organic (as C) (Method: Alternate)	DOC						10	$0.00
165	Bicarbonate (Method: SM)			2320	1	1	9	25	$225.00
165A	Bicarbonate (Method: Alternate)							10	$0.00
166	Carbon, Inorganic (as C)		0.1 mg/L					10	$0.00
167	Oil-Grease	Total recoverable oil and grease	2 mg/L	1664A	3	20	58	25	$1,450.00
167A	Oil-Grease (Method: Alternate)	Total recoverable oil and grease						10	$0.00
167	Oil-Grease (Solid)	Total recoverable oil and grease						10	$0.00
168	MBAS (Surfactants/Detergents)		0.05 mg/L	5540C	0.02	0.04	42	25	$1,050.00
168A	MBAS (Surfactants/Detergents) (Method: Alternate)							10	$0.00
	Radiochemical								
169	Radioactivity, Gross Alpha							20	$0.00
170	Radioactivity, Gross Alpha (Solid)							10	$0.00
171	Radioactivity, Gross Beta							20	$0.00
172	Radioactivity, Gross Beta (Solid)							10	$0.00
173	Ra-226	Radium 226						20	$0.00
174	Ra-226 (Solid)	Radium 226						10	$0.00
175	Ra-228	Radium 228						20	$0.00
176	Ra-228 (Solid)	Radium 228						10	$0.00
177	Total Uranium							20	$0.00
178	Total Uranium (Solid)							10	$0.00
179	Sr-89	Strontium 89						20	$0.00
180	Sr-89 (Solid)	Strontium 89						10	$0.00
181	Sr-90	Strontium 90						20	$0.00
182	Sr-90 (Solid)	Strontium 90						10	$0.00
183	Tritium (H3)							20	$0.00
184	Tritium (H3) (Solid)							10	$0.00
185	Gamma (Cs-137)	Cesium 137						20	$0.00
186	Gamma (Cs-137) (Solid)	Cesium 137						10	$0.00
187	Radon							20	$0.00
188	Radon (Solid)							10	$0.00
	Whole Effluent Toxicity Testing								
189	Ceriodaphnia, Acute		N/A		N/A	N/A		20	$0.00
190	Ceriodaphnia, Chronic		N/A		N/A	N/A		20	$0.00
191	Daphnia pulex/D. magna, Acute		N/A		N/A	N/A		20	$0.00
192	Pimephales promelas, Acute		N/A		N/A	N/A		20	$0.00
193	Pimephales promelas, Chronic (Survival and Growth)		N/A		N/A	N/A		20	$0.00
	ORGANICS								
	Select Individual Parameter Testing								
194	Acrylamide (Method 8032A)							10	$0.00
195	Cyanide, Amenable		0.005 mg/L					25	$0.00
195A	Cyanide, Amenable (Method: Alternate)							10	$0.00

196	Cyanide, Free (Method: ASTM)		0.005 mg/L					25	$0.00
196A	Cyanide, Free (Method: Alternate)							10	$0.00
197	Cyanide, Weak Acid Dissociable	WAD Cyanide	0.005 mg/L					20	$0.00
198	Cyanide, Total	Strong Acid Dissociable (SAD) Cyanide	0.005 mg/L	335.4	0.005	0.005	33	25	$825.00
198A	Cyanide, Total (Method: Alternate)	Strong Acid Dissociable (SAD) Cyanide						10	$0.00
199	Cyanide, Total (Solid)	Strong Acid Dissociable (SAD) Cyanide						10	$0.00
200	Phenolics	Total Phenolic Materials	0.01 mg/L	420.4	0.007	0.01	33	25	$825.00
200A	Phenolics (Method: Alternate)	Total Phenolic Materials						10	$0.00
201	Phenolics (Solid)	Total Phenolic Materials						10	$0.00
	Method 601, Purgeable Halocarbons								
202	Single compound analyis cost		**See Attachment B**	N/A	N/A	N/A		12	$0.00
203	Up to 10 compounds then complete list cost applies			N/A	N/A	N/A		12	$0.00
204	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 602, Purgeable Aromatics								
205	Single compound analysis cost		**Attachment B**	N/A	N/A	N/A		15	$0.00
206	Complete list cost			N/A	N/A	N/A		15	$0.00
	Method 603, Acrolein & Acrylonitrile								
207	Single compound analysis cost		**Attachment B**	N/A	N/A	N/A		15	$0.00
208	Complete list cost			N/A	N/A	N/A		15	$0.00
	Method 604, Phenols								
209	Single compound analysis cost		**See Attachment B**	N/A	N/A	N/A		20	$0.00
210	Up to 10 compounds then complete list cost applies			N/A	N/A	N/A		20	$0.00
211	Complete list cost			N/A	N/A	N/A		20	$0.00
	Method 605, Benzidines								
212	Single compound analysis cost		**Attachment B**	N/A	N/A	N/A		12	$0.00
213	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 606, Phthalate Esters								
214	Single compound analysis cost		**Attachment B**	N/A	N/A	N/A		12	$0.00
215	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 607, Nitrosamines								
216	Single compound analysis cost		**Attachment B**	N/A	N/A	N/A		12	$0.00
217	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 608, Organochlorine Pesticides & PCBs								
218	Single compound analysis cost		**See Attachment B**	N/A	N/A	N/A		15	$0.00
219	Up to 10 compounds then complete list cost applies			N/A	N/A	N/A		15	$0.00
220	Complete list cost			N/A	N/A	N/A		15	$0.00
	Method 609, Nitroaromatics & Isophorone								
221	Single compound analysis cost		**Attachment B**	N/A	N/A	N/A		12	$0.00
222	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 610, Polynuclear Aromatic Hydrocarbons								
223	Single compound analysis cost		**See Attachment B**	N/A	N/A	N/A		20	$0.00
224	Up to 10 compounds then complete list cost applies			N/A	N/A	N/A		20	$0.00
225	Complete list cost			N/A	N/A	N/A		20	$0.00
	Method 611, Halocthers								
226	Single compound analysis cost		**Attachment B**	N/A	N/A	N/A		12	$0.00
227	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 612, Chlorinated hydrocarbons								
228	Single compound analysis cost		**Attachment B**	N/A	N/A	N/A		12	$0.00
229	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 613, 2,3,7,8 Tetrachlorldibenzo-P-dioxin								
230	Single compound analysis cost		**Attachment B**	N/A	N/A	N/A		12	$0.00
	Method 613, Tetra-through Octa-Chlorinated Dibenzo-P-dioxins (CDDs) & Dibenzofurans (CDFs)								

231	Complete list cost	**Attachment B**	N/A	N/A	N/A		12	$0.00
	Method 624, Purgeables							
232	Single compound analysis cost	**See Attachment B**	N/A	N/A	N/A		20	$0.00
232	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		20	$0.00
233	Complete list cost		N/A	N/A	N/A		20	$0.00
	Method 625, Base/Neutrals Extractables							
234	Single compound analysis cost	**See Attachment B**	N/A	N/A	N/A		12	$0.00
235	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
236	Complete list cost		N/A	N/A	N/A		12	$0.00
	Method 625, Acid Extractables							
237	Single compound analysis cost	**See Attachment B**	N/A	N/A	N/A		12	$0.00
238	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
239	Complete list cost		N/A	N/A	N/A		12	$0.00
	Method 8015B							
240	Single compound analysis cost	**See Attachment B**	N/A	N/A	N/A		20	$0.00
241	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		20	$0.00
242	Complete list cost		N/A	N/A	N/A		20	$0.00
	Method 8041, Phenols by GC							
243	Single compound analysis cost	**See Attachment B**	N/A	N/A	N/A		12	$0.00
244	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
245	Complete list cost		N/A	N/A	N/A		12	$0.00
	Method 8100, Polynuclear Aromatic Hydrocarbons							
246	Single compound analysis cost	**See Attachment B**	N/A	N/A	N/A		20	$0.00
247	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		20	$0.00
248	Complete list cost		N/A	N/A	N/A		20	$0.00
	Method 8121, Chlorinated Hydrocarbons							
249	Single compound analysis cost	**See Attachment B**	N/A	N/A	N/A		12	$0.00
250	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
251	Complete list cost		N/A	N/A	N/A		12	$0.00
	Method 8151A, Chlorinated Herbicides							
252	Single compound analysis cost	**See Attachment B**	N/A	N/A	N/A		12	$0.00
253	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
254	Complete list cost		N/A	N/A	N/A		12	$0.00
	Method 8260							
255	Search for additional tentatively identified compounds	**See Attachment B**	N/A	N/A	N/A		15	$0.00
256	Single compound analysis cost		N/A	N/A	N/A		15	$0.00
257	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		15	$0.00
258	Complete list cost		N/A	N/A	N/A		15	$0.00
259	GC-MS Scan per TIC, report TICS that are detected at 10% of the area of the nearest internal standard		N/A	N/A	N/A		15	$0.00
	Method 8270							
260	Search for additional tentatively identified compounds	**See Attachment B**	N/A	N/A	N/A		15	$0.00
261	Single compound analysis cost		N/A	N/A	N/A		15	$0.00
262	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		15	$0.00
263	Complete list cost		N/A	N/A	N/A		15	$0.00
264	GC-MS Scan per TIC, report TICS that are detected at 10% of the area of the nearest internal standard		N/A	N/A	N/A		15	$0.00
	Method 8310, Polynuclear Aromatic Hydrocarbons by HPLC							
265	Single compound analysis cost	**See Attachment B**	N/A	N/A	N/A		15	$0.00
266	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		15	$0.00
267	Complete list cost		N/A	N/A	N/A		15	$0.00
	TCLP RCRA Pesticides & Herbicides EPA 1311/SW846							
268	Single compound analysis cost	**Attachment B**	N/A	N/A	N/A		12	$0.00
269	Complete list cost		N/A	N/A	N/A		12	$0.00
	TCLP RCRA Metals EPA 1311/SW846							
270	Single compound analysis cost	**Attachment B**	N/A	N/A	N/A		24	$0.00
271	Complete list cost		N/A	N/A	N/A	263	24	$6,312.00
	TCLP Volatile Organics 8260 with 1311 extraction							
272	Single compound analysis cost	**See**	N/A	N/A	N/A		20	$0.00

273	Up to 10 compounds then complete list cost applies	**Attachment B**	N/A	N/A	N/A		20	$0.00
274	Complete list cost		N/A	N/A	N/A		20	$0.00
	TCLP Semi-Volatile Organics 8720 with 1311 extraction							
275	Single compound analysis cost	**See Attachment B**	N/A	N/A	N/A		12	$0.00
276	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
277	Complete list cost		N/A	N/A	N/A		12	$0.00
	RCRA General Chemistry							
278	Single compound analysis cost	**Attachments A & B**	N/A	N/A	N/A		12	$0.00
279	Complete list cost		N/A	N/A	N/A		12	$0.00
	Metals/Cyanide Target Analyte List (TAL)-Low level option EPA 200.7/SW 7470/7471							
280	Single compound analysis cost	**Attachments A & B**	N/A	N/A	N/A		12	$0.00
281	Complete list cost		N/A	N/A	N/A		12	$0.00
	Quick Packages							
282	**8081A Organochlorine Pesticides GC**	**See Attachment B**	N/A	N/A	N/A		10	$0.00
283	**8082 PCBs by GC**		N/A	N/A	N/A		10	$0.00
284	**8061A Phathalate Esters by GC/EDC**		N/A	N/A	N/A		10	$0.00
285	**8270 PAH by GC/MS**		N/A	N/A	N/A		10	$0.00
286	**PAH by GC/MS - 8270 SIM**		N/A	N/A	N/A		20	$0.00
287	**8260B Volatile Organics by GC/MS**		N/A	N/A	N/A		20	$0.00
288	**8270C Semivolatile Organics by GC/MS**		N/A	N/A	N/A		20	$0.00
289	**Semivolatile Organics by GC/MS - 8270 SIM**		N/A	N/A	N/A		20	$0.00
290	**BTEX (8021B/8260B)**		N/A	N/A	N/A	85	30	$2,550.00
291	**BTEX (8021B)/MTBE (8021B)**		N/A	N/A	N/A		30	$0.00
292	**BTEX (8021B)/GRO (8015B)**		N/A	N/A	N/A		30	$0.00
293	**BTEX (8021B)/DRO/GRO (8015B)**		N/A	N/A	N/A		30	$0.00
294	**BTEX (8021B)/GRO (8015B)/MTBE (8021B)**		N/A	N/A	N/A		30	$0.00
295	**BTEX (8021B)/DRO/GRO (8015B)/MTBE (8021B)**		N/A	N/A	N/A		30	$0.00
296	**BTEX/MTBE/TBA/EDB/EDC by 8260B (SIM)**		N/A	N/A	N/A		30	$0.00
297	**TPH-ORO (8015B)**		N/A	N/A	N/A		10	$0.00
298	**TPH-GRO (8015B)**		N/A	N/A	N/A		10	$0.00
299	**TPH-DRO (8015B)**		N/A	N/A	N/A		10	$0.00
300	**TPH-DRO/ORO (8015B)**		N/A	N/A	N/A		10	$0.00
301	**TPH-GRO/DRO (8015B)**		N/A	N/A	N/A		10	$0.00
302	**TPH-GRO/DRO/ORO (8015B)**		N/A	N/A	N/A	139	20	$2,780.00
303	**USED OIL FUEL (VARIOUS-See Attachment B)**		N/A	N/A	N/A		10	$0.00
	PHASE I DETECTION MONITORING (Groundwater only)							
304	Search for additional tentatively identified compounds	**See Attachment B**	N/A	N/A	N/A		12	$0.00
305	Single compound analysis cost		N/A	N/A	N/A		12	$0.00
306	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
307	Total cost Phase I complete list		N/A	N/A	N/A		12	$0.00
	Priority Pollutants by SW-846 Protocol Analysis							
308	Priority Pollutant Volatiles	**See Attachment B**	N/A	N/A	N/A		12	$0.00
309	Priority Pollutant Semi-Volatiles		N/A	N/A	N/A		12	$0.00
310	Priority Pollutant Pesticides/PCBs		N/A	N/A	N/A		12	$0.00
311	Priority Pollutant Inorganics		N/A	N/A	N/A		12	$0.00
312	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo-p-Dioxin) quoted at time of analysis		N/A	N/A	N/A		12	$0.00
	Total Toxic Organics (TTO) by SW-846 Protocol Analysis							
313	TTO Volatiles	**See Attachment B**	N/A	N/A	N/A		12	$0.00
314	TTO Semi-Volatiles		N/A	N/A	N/A		12	$0.00
315	TTO Pesticides/PCBs		N/A	N/A	N/A		12	$0.00
316	TTO Inorganics		N/A	N/A	N/A		12	$0.00
317	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo-p-Dioxin) quoted at time of analysis		N/A	N/A	N/A		12	$0.00
	Target Compounds List (TCL) Analysis							
318	TCL Volatiles	**See Attachment B**	N/A	N/A	N/A		12	$0.00
319	TCL Semi-Volatiles		N/A	N/A	N/A		12	$0.00
320	TCL Pesticides/PCBs		N/A	N/A	N/A		12	$0.00
321	TCL Inorganics		N/A	N/A	N/A		12	$0.00
322	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo-p-Dioxin) quoted at time of analysis		N/A	N/A	N/A		12	$0.00
	Hazardous Waste Characterizations Analysis							
323	Reacitivity	**See**	N/A	N/A	N/A		12	$0.00
324	Ignitability		N/A	N/A	N/A		12	$0.00
325	Corrosivity (pH)		N/A	N/A	N/A		12	$0.00

326	Corrosivity (NACE)	**Attachment B**	N/A	N/A	N/A		12	$0.00
327	BTU		N/A	N/A	N/A		12	$0.00
328	TCLP		N/A	N/A	N/A	263	12	$3,156.00
329	Total Package Cost		N/A	N/A	N/A		12	$0.00
	TCLP Extractions Analysis							
330	Percent Solids (metals, semi-volatiles, volatiles, pesticides, herbicides)	**See Attachment B**	N/A	N/A	N/A		15	$0.00
331	Characterization Extraction (metals, semi-volatiles, pesticides, herbicides)		N/A	N/A	N/A		15	$0.00
332	Zero Headspace Extraction (violatiles)		N/A	N/A	N/A		15	$0.00
	TCLP Analysis - Analysis							
333	TCLP Metals quantified to 10% of TCLP levels	**See Attachment B**	N/A	N/A	N/A		20	$0.00
334	TCLP-Mercury		N/A	N/A	N/A		20	$0.00
335	TCLP-Individual Metal		N/A	N/A	N/A		20	$0.00
336	Additional Metals (Flame, Furnace, ICP, ICP-MS)		N/A	N/A	N/A		20	$0.00
337	Analysis by Standard Method of Addition (per metal)		N/A	N/A	N/A		20	$0.00
338	TCLP Pb characterization (includes extraction fees)		N/A	N/A	N/A		20	$0.00
339	TCLP Volatile Organics		N/A	N/A	N/A		20	$0.00
340	TCLP Semi-Volatile Organics		N/A	N/A	N/A		20	$0.00
341	TCLP Persticides/Herbicides		N/A	N/A	N/A		20	$0.00
342	TCLP Pesticides		N/A	N/A	N/A		20	$0.00
343	TCLP Herbicides		N/A	N/A	N/A		20	$0.00
344	Full TCLP		N/A	N/A	N/A		20	$0.00
	NOTE: Multiphasic samples will be subject to additional extraction and analytical fee							
	PHASE II ASSESSMENT MONITORING (Groundwater only)							
345	Search for additional tentatively identified compounds	**See Attachment B**	N/A	N/A	N/A		12	$0.00
346	Single compound analysis cost		N/A	N/A	N/A		12	$0.00
347	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
348	Total cost Phase II complete list		N/A	N/A	N/A		12	$0.00
349	**Encore Sampling Kits (each)**		N/A	N/A	N/A		12	$0.00
350	**Terra Core Sampling Kits (each)**		N/A	N/A	N/A	12	12	$144.00
	Collection of samples - costs associated with sample pickup from the following locations:							
351	Bridgeport Office, 101 Cambridge Place, Bridgeport, WV 26330						24	$0.00
352	Charleston Office, 601 57th Street S.E., Charleston, WV 25304						24	$0.00
353	Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554						24	$0.00
354	Logan Office, 1101 George Kostas Dr., Logan, 25601						24	$0.00
355	Fayetteville Office, 1159 Nick Rahall Greenway, Fayetteville, WV 25840						24	$0.00
356	Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010						24	$0.00
357	Philippi Office, 47 School Street, Philippi, WV 26416						24	$0.00
358	Romney Office, 22288 Northwestern Pike, Romney, WV 26757						24	$0.00
359	Other locations as Cost Per Mile to pickup site						24	$0.00
360	24 Hour Turn-Around Rush Order fee, per sample					100%	10	$10.00
361	48 Hour Turn-Around Rush Order fee, per sample					75%	10	$7.50
362	72 Hour Turn-Around Rush Order fee, per sample					50%	10	$5.00
	TOTAL							########

Quantities listed on the bid schedule are for bid evaluation purposes only are are not a guarantee of quantities to be ordered over the life of the contract. Actual quantities may be more or less than those stated on this schedule. Prices must be entered as dollars and cents.

Company:_____

Name:_____

Signature:_____ Date:_____

Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote
Laboratory

Proc Folder: 819530			**Reason for Modification:**
Doc Description: Inorganic and Organic Analysis Services			
Proc Type: Central Master Agreement			
Date Issued	**Solicitation Closes**	**Solicitation No**	**Version**
2020-12-22	2021-01-19 13:30	CRFQ 0313 DEP2100000017	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code:

Vendor Name : Sturm Environmental

Address : Services P.O. Box 650

Street : 203 Brushy Fork Road

City : Bridgeport

State : WV **Country :** USA **Zip :** 26330

Principal Contact : Victoria Hoops

Vendor Contact Phone: 304-623-6549 **Extension:**

FOR INFORMATION CONTACT THE BUYER
Joseph E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor Signature X Victoria Hoops **FEIN#** 55-0606888 **DATE** 1/14/21

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Department of Environmental Protection to establish an open-end contract for Inorganic and Organic Analysis Services. The Agency is combining two contracts, Inorganic Analysis and Organic Analysis, into one contract per the specifications and terms and conditions attached hereto.

INVOICE TO	SHIP TO
VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER No City WV 99999 US	VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Analysis Services	0.00000			

Comm Code	Manufacturer	Specification	Model #
81102600			

Extended Description:
Analysis Services as outlined on the attached bid sheet.

SCHEDULE OF EVENTS

Line	Event	Event Date

	Document Phase	Document Description	Page 3
DEP2100000017	Final	Inorganic and Organic Analysis Services	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote
Laboratory

Proc Folder: 819530			**Reason for Modification:**
Doc Description: Inorganic and Organic Analysis Services			
Proc Type: Central Master Agreement			
Date Issued	**Solicitation Closes**	**Solicitation No**	**Version**
2020-12-22	2021-01-19 13:30	CRFQ 0313 DEP2100000017	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code:

Vendor Name : Sturm Environmental Services

Address : P.O. Box 650

Street : 203 Brushy Fork Road

City : Bridgeport

State : WV **Country :** USA **Zip :** 26330

Principal Contact : Victoria Hoops

Vendor Contact Phone: 304-623-6549 **Extension:**

FOR INFORMATION CONTACT THE BUYER
Joseph E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor Signature X Victoria Hoops **FEIN#** 55-0606888 **DATE** 1/14/21

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INVOICE TO	SHIP TO
VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER No City WV 99999 US	VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Analysis Services	0.00000			

Comm Code	Manufacturer	Specification	Model #
81102600			

Extended Description:
Analysis Services as outlined on the attached bid sheet.

SCHEDULE OF EVENTS		
Line	Event	Event Date

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

☑ A pre-bid meeting will not be held prior to bid opening

☐ A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting

are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: 01/08/2021 @ 4:00 PM ET

Submit Questions to: Josh Hager
2019 Washington Street, East
Charleston, WV 25305
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)
Email: Joseph.E.HagerIII@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID: Inorganic and Organic Analysis Services
BUYER: Josh Hager
SOLICITATION NO.: CRFQ 0313 DEP2100000017
BID OPENING DATE: See Next Page
BID OPENING TIME: See Next Page
FAX NUMBER: 304-558-3970

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to an Expression or Interest or Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus NA convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)
☐ Technical
☐ Cost

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: 01/19/2021 @ 1:30 PM ET

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATE MODEL OR BRAND: Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the

equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

☐ This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the $125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at:
http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

15A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or

minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform, or lacks the integrity and reliability to assure good-faith performance."

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b."

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

22. INTERESTED PARTY DISCLOSURE: West Virginia Code § 6D-1-2 requires that the vendor submit to the Purchasing Division a disclosure of interested parties to the contract for all contracts with an actual or estimated value of at least $1 Million. That disclosure must occur on the form prescribed and approved by the WV Ethics Commission prior to contract award. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

23. WITH THE BID REQUIREMENTS: In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.6. This authority does not apply to instances where state law mandates receipt with the bid.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or **"Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or **"Proposal"** means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or **"Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☑ **Term Contract**

Initial Contract Term: Initial Contract Term: This Contract becomes effective on upon award and extends for a period of one (1) year(s).

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to three (3) successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

☐ **Alternate Renewal Term** – This contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

☐ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

☐ **Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for _____ year(s) thereafter.

☐ **One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

☐ **Other:** See attached.

4. NOTICE TO PROCEED: Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

☑ **Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

☐ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

☐ **One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute of breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

☐ **BID BOND (Construction Only):** Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

☐ **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract. The performance bond must be received by the Purchasing Division prior to Contract award.

☐ **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under $100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

☐ **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

☐ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

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The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below and must include the State as an additional insured on each policy prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed in this section.

Vendor must maintain:

☑ **Commercial General Liability Insurance** in at least an amount of: $1,000,000.00 per occurrence.

☑ **Automobile Liability Insurance** in at least an amount of: $1,000,000.00 per occurrence.

☐ **Professional/Malpractice/Errors and Omission Insurance** in at least an amount of: _____ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

☐ **Commercial Crime and Third Party Fidelity Insurance** in an amount of: _____ per occurrence.

☐ **Cyber Liability Insurance** in an amount of: _____ per occurrence.

☐ **Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.

☐ **Pollution Insurance** in an amount of: _____ per occurrence.

☐ **Aircraft Liability** in an amount of: _____ per occurrence.

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Notwithstanding anything contained in this section to the contrary, the Director of the Purchasing Division reserves the right to waive the requirement that the State be named as an additional insured on one or more of the Vendor's insurance policies if the Director finds that doing so is in the State's best interest.

9. WORKERS' COMPENSATION INSURANCE: The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. [Reserved]

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

☐ _____ for _____

☐ Liquidated Damages Contained in the Specifications

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence with regard to all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

> **SUBCONTRACTOR COMPLIANCE:** Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/default.html.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. PURCHASING AFFIDAVIT: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State, Vendors are required to sign, notarize, and submit the Purchasing Affidavit to the Purchasing Division affirming under oath that it is not in default on any monetary obligation owed to the state or a political subdivision of the state.

38. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE: This Contract may be utilized by other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"), provided that both the Other Government Entity and the Vendor agree. Any extension of this Contract to the aforementioned Other Government Entities must be on the same prices, terms, and conditions as those offered and agreed to in this Contract, provided that such extension is in compliance with the applicable laws, rules, and ordinances of the Other Government Entity. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.

39. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

40. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

☑ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

☐ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.requisitions@wv.gov.

41. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision. The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

42. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.

b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars ($2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or

d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

43. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars ($50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a

"substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

44. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least $1 million, the vendor must submit to the Agency a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-award interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

45. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Victoria Hoops, President

(Name, Title)

Victoria Hoops, President

(Printed Name and Title)

203 Brushy Fork Road Bridgeport, WV 26330

(Address)

304-623-6549

(Phone Number) / (Fax Number)

vhoops@sturmenvironmental.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Sturm Environmental Services

(Company)

Victoria Hoops, Pres.

(Authorized Signature) (Representative Name, Title)

Victoria Hoops, Pres

(Printed Name and Title of Authorized Representative)

1/14/21

(Date)

304-623-6549 304-623-6552

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- ☐ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5
- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Sturm Environmental Services

Company

Victoria Hoops

Authorized Signature

1/14/21

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

SPECIFICATIONS

PURPOSE AND SCOPE: The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Department of Environmental Protection to establish an open-end contract for Inorganic and Organic Analysis Services. The Agency is combining two contracts, Inorganic Analysis and Organic Analysis, into one contract.

Previous Solicitations: CRFQ DEP 2000000035, Inorganic Analysis of Water and Soil Samples, opened on 05/18/2020 and CRFQ DEP1700000009, Organic Analysis of Water and Soil Samples, opened on 11/30/2016.

Vendors may view previous solicitation responses on the West Virginia Purchasing Bid Opening: www.state.wv.us/admin/purchase/Bids/FY2020/BO20200520.html and http://www.state.wv.us/admin/purchase/Bids/FY2017/BO20161130.html.

Vendors are encouraged to review requirements carefully as some current requirements are different than previous solicitations.

1. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

   1.1 **"Contract Item"** or **"Contract Items"** means the list of items identified in **Section 2.1** below and on the **Attachment C** Pricing Pages.
   1.2 **"Dry Weight"** is when the laboratory has measured the moisture content of the sample, and calculated the concentration based on the percent solids present in the sample.
   1.3 **"EDD"** means Electronic Data Deliverable which is an electronic report that includes results of analytical tests performed (Excel Spreadsheets, PDF, Google Doc, etc.).
   1.4 **"MDL"** means Method Detection Limit which is a concentration limit set for sample testing as specified during award of contract.
   1.5 **"PQL"** means Practical Quantitation Limit which is a concentration limit set for sample testing as specified during award of contract.
   1.6 **"Pricing Pages"** means the schedule of prices, estimated order quantity, and totals contained in wvOASIS or attached hereto as **Attachment C**, and used to evaluate the Solicitation responses.
   1.7 **"Shewhart Quality Control Charts"** are graphical and analytic tools for monitoring process variation.
   1.8 **"Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
   1.9 **"WV DEP"** means the West Virginia Department of Environmental Protection.

2. GENERAL REQUIREMENTS:

2.1 Contract Items and Mandatory Requirements: Vendor shall provide Agency with the Contract Items listed below on an open-end and continuing basis. Contract Items must meet or exceed the mandatory requirements as shown below.

2.1.1 Analysis of Soil Samples

2.1.1.1 The vendor laboratory must be certified by the WV DEP Water Resources Quality Assurance Program. This includes any laboratories to which analyses are subcontracted. WV DEP will verify certification and parameters prior to award of contract. Proper certification is essential to ensure the integrity of the test results.

2.1.1.2 Notice of any changes to the vendor's certification status regarding any of the parameters that the vendor is certified to analyze for, must be submitted to the DEP, in writing, within ten (10) days of the time of status change. Failure to do so can result in cancellation of the contract.

2.1.1.3 Vendor must list certification expiration date on each lab report. Must be able to verify that parameters and methods used for analysis have a valid certification at the time of testing.

2.1.1.4 Must be accessible by telephone: twenty-four **(24) hours per day, seven (7) days per week.**

2.1.1.5 Must be capable of attending and providing expert testimony in legal proceedings upon request.

2.1.1.6 The vendor must follow the Quality Control and Analytical Procedures outlined in Attachment A for Inorganic Analysis and Attachment B for Organic Analysis.

2.1.1.7 Vendors providing Organic Analysis Services must have a chemist on staff experienced in organic analysis and its interpretation.

2.1.1.7.1 The chemist must have at minimum a bachelor's degree in chemistry and a minimum of two (2) years of experience in gas chromatography & mass spectrometry.

2.1.1.7.2 Vendor should provide a current résumé which includes information regarding the number of years of qualification, experience & training, and relevant professional education for everyone that will be assigned to work requested on this contract. References, documentation, or other information to confirm compliance with this experience requirement are preferred with the bid submission but may be requested after bid opening and prior to contract award.

2.1.1.8 The vendor is solely responsible for the satisfactory completion of the work. The vendor shall be responsible for ensuring that any subcontractor utilized has all the necessary permits, certifications (including WV State Laboratory certifications), experience and insurance to perform the work. All subcontractors must be approved by WV DEP before subcontractor initiates work. The vendor shall supply resumes and/or other documents to prove subcontractor's qualifications to complete the work, if requested. All work performed by a subcontractor must be appropriately annotated on any submitted documentation (report or EDD). WV DEP will consider the vendor to be the sole point of contact regarding authorized work under the contract: however, this provision does not prohibit the WV DEP from directly contacting subcontractors.

2.1.1.9 The vendor agrees that any and all data, analyses, materials, reports or other information, oral or written, prepared by the vendor with respect to this contract shall, except for information which has been publicly available, be treated as confidential and shall not be utilized, released, published, or disclosed by the vendor at any time for any purpose whatsoever other than to provide consultation or other service to the DEP.

2.1.1.10 The vendor shall provide sample containers (such as (1) liter cubitainers) and field preservatives (such as Nitric Acid in plastic 8ml vials and Sulfuric Acid in (8) ml glass or plastic vials) to the DEP at no charge, if requested by the DEP.

2.1.1.11 The DEP may, at their discretion, choose to deliver samples to the vendor's establishment rather than having them picked up by or delivered to the vendor.

2.1.1.12 All unit pricing quoted must be based on standard turn-around time (not to exceed fourteen (14) calendar days) unless other arrangements have been made with a WV DEP office.

2.1.1.13 Upon awarding the contract, the vendor shall provide one copy of the method detection limits (MDLs) for all analytes for which the contract is awarded. Any updates to the MDLs during the life of this contract shall be provided to the DEP in writing within seven days of the update(s) completion.

2.1.1.14 Should MDLs lower than those listed on the contract be available, the vendor shall provide these lower detection levels when conducting analyses.

2.1.1.15 All soil sample analytical results shall be reported on a dry weigh basis.

2.1.1.16 The vendor shall provide at no additional cost, any requested quality control/calibration information associated with a particular sample. Quality control/calibration includes, but is not limited to, values of standards used in calibration, date of last calibration, correlation coefficients of calibration curves, instrument blank values, check standard values, spike/recovery values, duplicate values, dilution volumes, bench sheets, calculations and Shewhart quality control charts.

2.1.1.17 The vendor will provide DEP approved blank water (such as distilled, ionized, Type I water as long as there are no contaminants present in the water at detectable levels that would cause lab and field blanks to fail) to the DEP, at no charge, upon request.

2.1.1.18 Samples delivered by WVDEP shall be taken to the lab located closest to the sampling location that can conduct all necessary analysis. For samples to be picked up at the DEP Offices, DEP shall contact the lab that can conduct all necessary analysis at regulatory required MDLs that has the lowest unit price per pickup at that DEP Office location as established in the contract. DEP shall verify that these conditions have been met prior to issuing a release order for the services. Field staff shall determine whether sample is delivered to laboratory or picked up at an office location.

2.1.1.18.1 If vendor refuses a sample or cannot complete the analysis in the necessary timeframe DEP shall take samples to next closest or lowest bid vendor.

3. CONTRACT AWARD:

3.1 Contract Award: The Contract is intended to provide the Agency with a purchase price on all Contract Items the vendor can provide.

Award will be split if it is in the best interest of the WV DEP. Selection of the vendor to be used will be based on the closest location to sample site and/or WV DEP requesting office, then lowest to highest bid.

3.2 Pricing Pages: Attachment C Pricing Pages was created as MS Excel document. Vendor should complete the **Attachment C** Pricing Pages by filling in the "**Unit Price**" box with the price per unit. Unit Price shall be entered as dollars and cents (not percentage). The "**Extended Amount**" box is calculated by multiplying the "**Unit Price**" by the "**Est. Quantity**." Vendor should include "Method #" (identifier), "Method Detection Limit (MDL)," "Practical Quantitation Limit (PQL)," and "Unit Price" for each parameter if required. Vendor shall not alter any of the already entered data in the spreadsheet. Vendor should complete the Pricing Pages in their entirety as failure to do so may result in Vendor's bids being disqualified.

The Pricing Pages contain a list of the Contract Items and estimated yearly purchase volume. The estimated purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.

Vendor should electronically enter the information into the Pricing Pages through wvOASIS as an electronic document. Upload as .xlsx file in wvOASIS (not .pdf). In most cases, the Vendor can download an electronic copy of the Pricing Pages from wvOASIS or request one from the buyer listed.

4. ORDERING AND PAYMENT:

4.1 Ordering: Vendor shall accept orders through wvOASIS, regular mail, facsimile, e-mail, or any other written form of communication. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website. If Vendor has the ability to accept on-line orders, it should include in its response a brief description of how Agencies may utilize the on-line ordering system. Vendor shall ensure that its on-line ordering system is properly secured prior to processing Agency orders on-line.

4.1.1 Agency will issue an Agency Delivery Order (ADO) for sampling. Agency must use the lowest bid Vendor closest to sample location. Agency must document in the ADO how selected Vendor was established and used.

4.2 Payment: Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

4.2.1 Vendor shall list the following on each invoice:

4.2.1.1 Vendor shall list individual line item numbers from the contract for each test.

4.2.1.2 Vendor shall list contract number.

4.2.1.3 Vendor shall list requesting employee or designated employee.

4.2.1.4 Vendor shall list Division, Program/Branch and Project submitted with analysis request.

4.2.1.5 Invoices shall be sent to the ordering office stated on the chain of custody form.

4.2.2 Failure to include these items on invoices shall result in delayed payment and possible request for revised invoice.

5. DELIVERY AND RETURN:

5.1 Delivery Time: Vendor shall deliver standard orders within fourteen (14) calendar days after orders are received. Vendor shall deliver emergency orders within one (1) calendar day after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.

5.2 Late Delivery: The Agency placing the order under this Contract must be notified in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

5.3 Delivery Payment/Risk of Loss: Standard order delivery shall be F.O.B. destination to the Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency

separately for such delivery. The Agency will pay delivery charges on all emergency orders provided that Vendor invoices those delivery costs as a separate charge with the original freight bill attached to the invoice.

5.4 Return of Unacceptable Items: If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

5.4.1 If vendor provides analysis result that was not requested by employee, vendor shall not invoice DEP for that result.

5.4.2 If upon receipt and inspection of lab results, results are deemed as not viable due to lab error DEP shall not be invoiced for that result.

5.5 Return Due to Agency Error: Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

6. VENDOR DEFAULT:

6.1 The following shall be considered a vendor default under this Contract.

6.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.

6.1.2 Failure to comply with other specifications and requirements contained herein.

6.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

6.1.4 Failure to remedy deficient performance upon request.

6.2 The following remedies shall be available to Agency upon default.

6.2.1 Immediate cancellation of the Contract.

6.2.2 Immediate cancellation of one or more release orders issued under this Contract.

6.2.3 Any other remedies available in law or equity.

7. MISCELLANEOUS:

7.1 No Substitutions: Vendor shall supply only Contract Items submitted in response to the Solicitation unless a contract modification is approved in accordance with the provisions contained in this Contract.

7.2 Vendor Supply: Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.

7.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased upon request. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

7.4 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Melissa Hoops

Telephone Number: 304-623-6549

Fax Number: 304-623-6552

Email Address: mhoops@sturmenvironmental.com

In administering and enforcing most of the pollution control laws of the state, the importance of quality control cannot be overstated. Quality control measures must be strictly adhered to in all phases of sample collection, preservation, transportation, and analysis. The quality control and analytical processes, as they relate to the vendor's responsibility, are divided into four (4) major steps:

Step 1 – Collection of sample from specified office.
Step 2 – Conduct specified analysis on samples in a timely and professional manner.
Step 3 - Establishment of continuing program to ensure the reliability of analytical data.
Step 4 – Legal Testimony

Step 1 – Collection of Samples from Specified Office

The sampling for the DEP shall be conducted by Department personnel. The vendor shall be notified of the date sampling occurs /is to occur and from which DEP office or other location the sample can be obtained. The vendor shall be notified when the sample was taken (time/date) and the person who collected the sample. The vendor shall be responsible for obtaining the sample from the specified office and delivery of sample to the laboratory within 24 hours from the time of sampling unless the test must take place sooner in order to preserve sample integrity. The vendor shall indicate the time the sample was obtained from the pickup location and its condition and the time the sample was delivered to the laboratory. The vendor shall be responsible for adhering to holding times, checking the adequacy of, and maintaining preserved samples, and the internal chain of custody from the time the vendor obtained the sample until the time the analysis is accepted by the Department. The vendor shall also maintain records of the results of analysis for a minimum of five (5) years.

Step 2 - Conduct Specified Analysis on Samples

The methods used by the laboratory for the analysis shall be either 1) Methods described in 40 CFR-136 or **2)** Test Methods for Evaluating Solid Waste - Physical/Chemical Methods (SW-846) Third Edition, with updates. The sampler shall be responsible for specifying either 1 or 2 above. In the event the method is not specified, the laboratory shall contact the sampler for verification of the method to be used.

Vendors must include the analysis method number on the bid sheet. A single analytical method for some parameters is not adequate, for example, a sample of discharge water from a sewage treatment plant need not have the same detection limit as a sample from relatively clean oligotrophic waters. If the vendor submits bids for an alternate method, the analysis method number, MDL and PQL must be included on the bid sheet. If vendors are certified for more than 2 methods for a parameter, the vendor can provide bids and associated information on a separate page if necessary.

Results of analytical tests must be submitted as both an analysis report and as an Electronic Data Deliverable (EDD). Acceptable analysis report formats include either a paper hardcopy or electronic version of the report (e.g., pdf). All EDDs should be submitted in a Microsoft Excel

(or compatible) format and conform the DEP program approved template. Where provided, the vendor must include all appropriate data fields from the original COC that documents the identity of the sample with the data submitted. This electronic data submittal requirement may be waived in some circumstances where the number of samples and/or number of analytical tests requested is low. Waiver must be requested prior to data submittal.

Analysis of samples is not deemed completed until the data has been submitted to and accepted by DEP. Should the DEP not provide notice of acceptance within four weeks of the date results were received, the vendor may consider the data to be acceptable by the Department. The vendor shall be responsible for maintaining preservation of the samples until the holding time is exceeded. Any samples with a sheen, discoloration or odor shall be maintained by the vendor until DEP's notification that the sample can be properly disposed of. DEP will advise the vendor which samples fall into this category. The vendor shall be responsible for the proper disposal of all samples submitted to them by the DEP unless otherwise notified. The vendor shall dispose of the sample no earlier than four weeks after DEP accepts the results. The results of the analysis shall be submitted to the DEP no more than two (2) weeks after receipt of samples unless other arrangements have been made with WV DEP.

Step 3 - Quality Control

Three programs are to be utilized to assure reliable laboratory data: (1) the use and documentation of standard analytical methods, (2) analysis of duplicate and spiked (where the concept applies) samples at regular intervals each day to check analytical precision and accuracy, and (3) analysis of reference samples at 6 (six) month intervals. These analyses shall be conducted under the vendor's performance test number through an EPS-approved PT provider. Regardless of which analytical methods are used in a laboratory, the methodology must be carefully documented. Analytical methods which have been modified or entirely replaced because of recent advances in the state of art may only be used when it has been given approval in the Federal Register. Documentation of procedures must be clear, honest, and adequately referenced; and the procedures shall be applied exactly as documented. The responsibility for legally-defensible results obtained from these procedures rests with the analyst and supervisor, both as representatives of the laboratory.

To check the laboratory analytical precision, duplicate analysis of samples shall be performed at regular intervals. Duplicate samples must be carried through the complete analytical process. For all analyses, the interval shall be every tenth (10th) sample. When less than ten (10) samples are tested in an analytical batch, at least one duplicate sample shall be analyzed, and that sample must be a DEP sample. The difference between the replicates for each analysis is to be plotted on Shewhart precision quality control charts. If the Shewhart chart indicates the samples are not in control, the analyses are to be repeated and appropriate steps shall be taken to locate and remedy the error. Quality control limits used by the laboratory to assess method compliance cannot be broader than those specified by the analytical method of 47CSR32 where applicable.

To check the laboratory analytical accuracy, samples containing a known addition of the target analyte (spike) shall be analyzed at regular intervals. Spiked samples must be carried through

the complete analytical process. For all analyses, the interval shall be every tenth (10th) sample. Where less than ten samples are tested in an analytical batch, at least one spiked sample shall be analyzed, and that sample must be a DEP sample. The percent recovery must be plotted out on Shewhart accuracy quality control charts. If the Shewhart chart indicates the samples are not in control, the analyses are to be repeated and appropriate steps taken to locate and remedy the source of error. Quality control limits used by the laboratory to assess the method compliance cannot be broader than those specified by the analytical method or 47CSR32 where applicable.

If the analyte of interest is detected in the laboratory Method Blank (MB) or Continuing Calibration Blank (CCB) above the Method Detection Limit (MDL), corrective action is to be taken to identify and alleviate the laboratory contamination and sample analysis is to be repeated. If sample analysis cannot be repeated for any reason including, but not limited to, inadequate remaining sample volume, expired holding time or equipment failure, and the laboratory chooses to report the original analytical data, all sample results associated with the contaminated MB and/or CCB must be qualified in the final report.

If the percent recovery of a known laboratory control standard such as a Laboratory Control Sample (LCS) of Continuing Calibration Verification (CCV) is outside of method-defined control limits (or those defined in 47CSR32 where appropriate) corrective action is to be taken to identify and alleviate the issue and sample analysis is to be repeated. If sample analysis cannot be repeated for any reason including inadequate remaining sample volume, expired holding time of equipment failure and the laboratory chooses to report the analytical data, all sample results associated with the failing quality control must be qualified in the final report.

In addition to the above requirements, all applicable requirements of the analytical methods, 40CFR136, 47CFR32 and the West Virginia DEP's Laboratory Certification program must be adhered to. In the event that any of these requirements are not met, all affected data must be appropriately qualified by the laboratory in the final report. It is the responsibility of the laboratory to provide all necessary information so data usability can be determined by the DEP.

All samples submitted to the laboratory are to be handed, prepared and analyzed in the same manner consistent with the method. Corrective action is to be initiated when a QC check exceeds acceptance limits.

The DEP reserves the right to conduct unannounced examinations of the laboratory's records. Periodic submission of samples with known composition will occur. No notice of this activity will be provided unless results indicate an anomaly.

Step 4 - Legal Testimony

The selected vendor or vendors may be requested by the DEP to testify concerning the validity of the laboratory analysis. The vendor will only be required to testify to the following areas:

1. Time of notification by Department of sampling and by whom.
2. When and where samples were received by the laboratory's courier and/or by the laboratory's facility.

3. Condition of sample upon receipt by the laboratory.
4. How sample preservation was maintained by the laboratory.
5. Date and time(s) of analysis and by whom.
6. Chain of Custody procedures within the laboratory
7. Methods used.
8. Results of analysis.

At no time will the firm respond to questions concerning interpretation of results. The Department shall reimburse the vendor for the costs of any such testimony. The vendor must provide a detailed invoice of actual costs incurred.

PROGRAM SPECIFIC PROVISIONS

Watershed Assessment Branch of DEP - Electronic Data Deliverable Requirements

Field	Data Type	Description	Notes
AnalyticalLab	Text	The name of the lab providing analysis of the given analyte	Any subcontracted analysis would indicate the subcontracting lab name here
LabNumber	Text	Internal Sample Identifier	e.g., From lab's LIM System
WQ ID	Text	WQ Sample ID from COC	
SampleDateTime	Date/Time	The Date/Time of the sampling event from the COC	
ProjectName	Text	Project Name from the COC	
SiteName	Text	Stream Name from COC	
ANCODE	Text	ANCODE from COC	
MilePoint	Text	Mile Point from COC	This number is in brackets { } following the ANCode on the COC
RandomNumber	Text	Random # from COC	This is only populated if project is designated as RANDOM
Fraction	Text	Fraction of the Analyte	e.g., Total or Dissolved
Analyte	Text	Analyte Name	Report the speciation of the analyte if necessary (e.g., Sulfate as SO4 or Nitrate + Nitrite as N)
Qualifier	Text	Flag Code about the analyte results or analysis	e.g., J flag for result that falls between MDL and PQL; < for result below MDL (i.e., Non-Detect); > for results greater than the result value
Notes	Text	Notes about the analyte results or analysis (e.g., analyzed out of holding time, estimated results, subcontracted analysis)	
Result	Number, Decimal, 18, 6	The result of the analysis	If the result is a non-detect, report the value of the MDL with a Qualifier of "<"
MDL	Number, Decimal, 18, 6	The Method Detection Limit of the analysis	
PQL	Number, Decimal, 18, 6	The Practical Quantification Limit of the analysis	
Units	Text	The units of the result analysis	All units should be in mg/L except for Organics, which are reported in ug/L
Method	Text	The analysis methodology	Standard Methods or EPA Methods. Include full context of method (e.g., EPA200.7Rev4.4-1994)
AnalysisDateTime	Date/Time	The Date/Time of Analysis	
		CONTINUED ON NEXT PAGE	

DF	Number, Decimal, 18, 6	The dilution factor used to dilute the sample for analysis	MDL and PQL will increase from normal according to this value.Default should be 1
mL Sample Used	Number, Decimal, 18, 6	The number of mL of sample used for an analysis if the standard volume is not used	E.g., 200mL is the standard sample volume for TDS, but more or less sample may need to be used depending on an number of factors and should be documented here.
PrepMethod	Text	The sample preparation methodology (if applicable)	
PrepDateTime	Date/Time	The Date/Time of sample preparation (if applicable)	
Invoice Number	Text	The invoice ID under which the sample result was billed	

Method Abbreviations:
ADMI = American Dye Manufacturers Institute
APHA = American Public Health Association
ASTM = American Society for Testing and Materials, or ASTM International
EPA = Environmental Protection Agency (US)
SM = Standard Methods for the Examination of Water and Wastewater
MF = Membrane Filtration
MPN = Most Probable Number

Attachment B- Organic Analysis Guidelines

In administering and enforcing most of the pollution control laws of the state, the importance of quality control cannot be overstated. Quality control measures must be strictly adhered to in all phases of sample collection, preservation, transportation, and analysis. The quality control and analytical processes, as they relate to the vendor's responsibility, are divided into four (4) major steps:

Step 1 – Collection of sample from specified office.
Step 2 – Conduct specified analysis on samples in a timely and professional manner.
Step 3 - Establishment of continuing program to ensure the reliability of analytical data.
Step 4 – Legal Testimony

Step 1 – Collection of Samples from Specified Office

The sampling for the DEP shall be conducted by Department personnel. The vendor shall be notified of the date sampling occurs /is to occur and from which DEP office the sample can be obtained. The vendor shall be notified when the sample was taken (time/date) and the person who collected the sample. The vendor shall be responsible for obtaining the sample from the specified office and delivery of sample to the laboratory within 24 hours from the time of sampling unless testing must take place sooner to preserve sample integrity. The vendor shall indicate the time the sample was obtained from the specified office and its condition and the time the sample was delivered to the laboratory. The vendor shall be responsible for holding times, preservation of the sample and the internal chain of custody from the time the vendor obtained the sample until the time the analysis is accepted by the Department. The vendor shall also maintain records of the results of analysis for a minimum of five (5) years. If samples are to be shipped to the vendor by mail courier, then the vendor shall supply all shipping containers, labels and shall cover all costs of shipping from the sample location or from any WV/DEP office.

Step 2 - Conduct Specified Analysis on Samples

The methods used by the laboratory for the analysis shall be either **1)** Methods described in 40 CFR-136 for organic analysis and Standard Methods for the Examination of Water and Waste Water, current edition, but must be an approved method per 40 CFR Part 36 or **2)** Test Methods for Evaluating Solid Waste - Physical/Chemical Methods (SW-846) Third Edition, with updates. The sampler shall be responsible for specifying either 1 or 2 above, and in the event the method is not specified, Method 1 shall be used.

In the event a compound is requested by a method which has greater than ten compounds in the compound list, any compounds detected at or above three times the PQL, in addition to the requested compound, shall be reported and invoiced as individual compounds up to a maximum of ten compounds total. If ten or more compounds are detected and reported, the total list cost will be in effect.

Analysis of samples is not deemed completed until the data has been submitted to and accepted by DEP. Should the DEP not provide notice of acceptance within four weeks of the date results were received, the vendor may consider the data to be acceptable by the Department. The vendor shall be responsible for maintaining preservation of the samples until the holding

time is exceeded. Any samples with a sheen, discoloration or odor shall be maintained by the vendor until DEP's notification that the sample can be properly disposed of. DEP will advise the vendor which samples fall into this category. The vendor shall be responsible for the proper disposal of all samples submitted to them by the DEP unless otherwise notified. The vendor shall dispose of the sample no earlier than four weeks after DEP accepts the results. The results of the analysis shall be submitted to the DEP no more than two (2) weeks after receipt of samples unless other arrangements have been made with DEP.

Step 3 - Quality Control

Three programs are to be utilized to assure reliable laboratory data: (1) the use and documentation of standard analytical methods, (2) analysis of duplicate and spiked (where the concept applies) samples at regular intervals each day to check analytical precision and accuracy, and (3) analysis of reference samples at 6 (six) month intervals*. Regardless of which analytical methods are used in a laboratory, the methodology must be carefully documented. Standard methods which have been modified or entirely replaced because of recent advances in the state of art may only be used when it has been given approval in the Federal Register. Documentation of procedures must be clear, honest, and adequately referenced; and the procedures shall be applied exactly as documented. The responsibility for results obtained from these procedures rests with the analyst and supervisor, both as representatives of the firm.

All testing must be conducted using approved methods: (1) 40-CFR-136, Organic test Methods for NPDES samples or 2) SW-846 Methods for all other samples. Where an NPDES method is not available, the laboratory may substitute an SW-846 method. The laboratory will be advised as to the type of sample being tested so that the proper test methods may be applied.

Further, the laboratory may substitute capillary column technology for packed column technology for NPDES test methods.

To check the laboratory analytical precision, duplicate analysis of samples shall be performed at regular intervals. Duplicate samples must be carried through the complete analytical process. For all analyses, the interval shall be every tenth (10th) sample. When less than ten (10) samples are tested in one day, at least one duplicate sample shall be analyzed, and that sample must be a DEP sample. The difference between the replicates for each analysis are to be plotted on Shewart precision quality control charts. "Out-of -Control" samples are to be repeated and appropriate steps shall be taken to locate and remedy the error.

To check the laboratory analytical accuracy, samples containing a known addition of the target analyte (spike) shall be analyzed at regular intervals. Spiked samples must be carried through the complete analytical process. For all analyses, the interval shall be every tenth (10th) sample. Where less than ten samples are tested in one day, at least one spiked sample shall be analyzed, and that sample must be a DEP sample. The percent recovery must be plotted out on Shewart accuracy quality control charts. "Out of Control" samples are to be repeated and appropriate steps taken to locate and remedy the source of error.

Periodic submission of samples with known composition will occur. No notice of this activity will be provided unless results indicate an anomaly.

*These analyses shall be conducted under the vendor's performance evaluation test number through the Analytical Products Group.

Practical Quantitation Limits

PQLs have been listed where possible and is defined as the lowest concentration of analytes that can be reliably determined within specified limits of precision and accuracy by a particular method under routine laboratory conditions. If the PQL for a particular method is higher value than the regulatory limit for that parameter, then an alternate method with a PQL lower that the regulatory limit shall be used. The laboratory shall provide DEP with one complete set of PQLs and Method Detection Limits upon being awarded the contract. If a certain PQL is desired by the sampler, the laboratory may substitute the requested method with another method that meets the necessary PQL upon approval of the sampler.

Step 4 - Legal Testimony

The selected vendor or vendors may be requested by the DEP to testify concerning the validity of the laboratory analysis. The vendor will only be required to testify to the following areas:

1. Time of notification by Department of sampling and by whom.
2. When and where samples were collected by the firm.
3. Condition of sample.
4. How sample was preserved by the firm.
5. Date and time(s) of analysis and by whom.
6. Chain of Custody procedures within the laboratory
7. Methods used.
8. Results of analysis.

At no time will the firm respond to questions concerning interpretation of results. The Department shall reimburse the vendor for the costs of any such testimony. The vendor must provide a detailed invoice of actual costs incurred.

Quality Control Deliverables

Level I Contents
- Laboratory Analysis Reports
- Chain of Custody Form

Level II Contents
- Laboratory Analysis reports
- Case Narrative
- Chain of Custody Form
- Initial Calibration summaries, CLP Form 6
- Continuing Calibration Verification summaries, CLP Form 7
- Raw method blank data
- Matrix Spike/Matrix Spike Duplicate Summary (MS/MSD), CLP form 3
- Surrogate Summary, CLP Form 2
- Raw Sample data

Level III Contents, Organic
- Laboratory Analysis reports
- Chain of Custody Form
- Case Narrative
- Retention Time Summary (if applicable)
- Extraction Logs (if applicable)
- Analytical Run Logs
- MS Tuning Summary, CLP form 5 (if applicable)
- Initial Calibration Summaries, CLP Form 6
- Continuing Calibration Verification Summaries, CLP Form 7
- Method Blank Summary, CLP Form 4
- Raw method blank data
- Matrix Spike/Matrix Spike Duplicate Summary (MS/MSD), CLP form 3
- Surrogate Summary, CLP Form 2 (if applicable)
- Internal Standard Summary, CLP form 8 (if applicable)
- All associated Raw QC data, including calibrations
- Form 1 results Summaries for samples and blanks
- Raw Sample data
- MDL Statements
- Electronic Data Deliverable

Level IV (Inorganic/Metals)
- Laboratory Analysis reports
- Chain of Custody Form
- Case Narrative
- Analysis Data Sheet, CLP form 1
- Initial and continuing Calibration Verification, CLP Form II, Part 1
- CRDL Standard for AA and ICP, CLP Form II , Part 2
- Blanks, CLP Form III

ICP Interference Check Sample, CLP Form IV
Spike Sample Recovery, CLP Form V, Part 1
Post Digest Spike Sample Recovery, CLP Form V, Part 2
Duplicates, CLP Form VI
Laboratory Control Sample, CLP Form VII
Standard Addition Results, CLP Form VIII
ICP Serial Dilutions, CLP Form IX
Preparation Logs, CLP Form XIII
Analysis Run Logs, CLP Form XIV
All associated raw data
MDL statements
Electronic Data Deliverable

Parameters detected with EPA 600 Series Organic Analyses

Method 601, Purgeable Halocarbons

	MDLs	**SOLID**
Bromodichloroethane	1.0 ug/l	
Bromoform	1.0 ug/l	
Bromomethane	1.0 ug/l	
Carbon Tetrachloride	1.0 ug/l	
Chlorobenzene	1.0 ug/l	
Chloroethane	1.0 ug/l	
2-Chloroethylvinyl ether	1.0 ug/l	
Chloroform	1.0 ug/l	
Chloromethane	1.0 ug/l	
Dibromochloromethane	1.0 ug/l	
1,2-Dichlorobenzene	1.0 ug/l	
1,3-Dichlorobenzene	1.0 ug/l	
1,4-Dichlorobenzene	1.0 ug/l	
Dichlorodifluoromethane		
1,1-Dichloroethane	1.0 ug/l	
1,2-Dichloroethane	1.0 ug/l	
trans-1,2-Dichloroethene	1.0 ug/l	
1,2-Dichloropropane	1.0 ug/l	
cis-1,3-Dichloropropene	1.0 ug/l	
trans-1,3-Dichloropropene	1.0 ug/l	
Methylene chloride	1.0 ug/l	
1,1,2,2-Tetrachloroethane	1.0 ug/l	
Tetrachloroethene	1.0 ug/l	
1,1,1-Trichloroethane	1.0 ug/l	
1,1,2-Trichloroethane	1.0 ug/l	
Tetrachloroethylene	1.0 ug/l	
Trichlorofluoromethane	1.0 ug/l	
Vinyl Chloride	1.0 ug/l	

1,1-Dichloroethene	1.0 ug/l	
Full Suite		

Method 602, Purgeable Aromatics	**MDLs**	**SOLID**
Benzene	1.0 ug/l	
Chlorobenzene	1.0 ug/l	
1,2-Dichlorobenzene	1.0 ug/l	
1,3-Dichlorobenzene	1.0 ug/l	
1,4-Dichlorobenzene	1.0 ug/l	
Ethylbenzene	1.0 ug/l	
Toluene	1.0 ug/l	

Method 603, Acrolein and Acrylonitrile	**MDLs**	**SOLID**
Acrylonitrile		
Acrolein		

Method 604, Phenols	**MDLs**	**SOLID**
4-Chloro-3-methylphenol		
2-Chlorophenol		
2,4-Dichlorophenol		
2,4-Dimethylphenol		
2,4-Dinitrophenol		
2-Methyl-4,6-dinitrophenol		
2-Nitrophenol		
4-Nitrophenol		
Pentachlorophenol		
Phenol		
2,4,6-Trichlorophenol		

Method 605, Benzidines	**MDLs**	**SOLID**
Benzidines		
3,3'-Dichlorobenzidine		

Method 606 Phthalate Esters	**MDLs**	**SOLID**
Bis(2-ethylhexyl) phthalate		
Butyl benzyl phthalate		
Di-n-butyl phthalate		
Diethyl phthalate		
Dimethyl phthalate		
Di-n-octyl phthalate		

Method 607, Nitrosamines	**MDLs**	**SOLID**
N-Nitrosodimethylamine		
N-Nitrosodiphenylamine		
N-Nitrosodi-n-propylamine		

Method 608, Organochlorine Pesticides and PCBs

	MDLs	**SOLID**
Aldrin	0.3 ug/l	
α -BHC	0.3 ug/l	
β -BHC	0.3 ug/l	
δ -BHC	0.3 ug/l	
γ -BHC	0.3 ug/l	
Chlorodane	0.5 ug/l	
4,4'-DDD	0.3 ug/l	
4,4'-DDE	0.3 ug/l	
4,4'-DDT	0.3 ug/l	
Dieldrin	0.3 ug/l	
Endosulfan I	0.3 ug/l	
Endosulfan II	0.3 ug/l	
Endosulfan sulfate	0.5 ug/l	
Eldrin	0.5 ug/l	
Endrin aldehyde	0.5 ug/l	
Heptacholr	0.5 ug/l	
Heptachlor epoxide	0.3 ug/l	
Toxaphene	1.5 ug/l	
PCB-1016	0.5 ug/l	
PCB-1221	0.5 ug/l	
PCB-1232	0.5 ug/l	
PCB-1242	0.5 ug/l	
PCB-1248	0.5 ug/l	
PCB-1254	0.5 ug/l	
PCB-I260	0.5 ug/l	

Method 609, Nitroaromatics and Isophorone

	MDLs	**SOLID**
2,4-Dinitrotoluene		
2,6-Dinitrotoluene		
Isophorone		
Nitrobenzene		

Method 610, Polynuclear Aromatic Hydrocarbons

	MDLs	**SOLID**
Acenaphthene	10 ug/l	
Acenaphthylene	10 ug/l	
Anthracene	10 ug/l	

Benzo(a)anthracene	10 ug/l
Benzo(a)pyrene	10 ug/l
Benzo(b)fluoranthene	10 ug/l
Benzo(ghi)perylene	10 ug/l
Benzo(k)fluoranthene	10 ug/l
Chrysene	10 ug/l
Dibenzo(a,h)anthracene	10 ug/l
Fluoranthene	10 ug/l
Fluorene	10 ug/l
Indeno(1,2,3-cd)pyrene	10 ug/l
Naphthalene	10 ug/l
Phenanthrene	10 ug/l
Pyrene	10 ug/l

Method 611, Haloethers	**MDLs**	**SOLID**
Bis(2-chloroethyl) ether		
Bis(2-chloroethoxy) methane		
Bis(2-chloroisopropyl) ether		
4-Bromophenyl phenyl ether		
4-Chlorophenyl phenyl ether		
2-Chloronaphthalene		
1,2-Dichlorobenzene		
1,3-Dichlorobenzene		
1,4-Dichlorobenzene		
Hexachlorobenzene		
Hexachlorobutadiene		
Hexachlorocyclopentadiene		
Hexachloroethane		
1,2,4-Trichlorobenzene		

Method 613 2,3,7,8-Tetrachlorldibenzo-P-dioxin

	MDLs	**SOLID**
2,3,7,8-Tetrachlorldibenzo-P-dioxin		

Method 613 Tetra-through Octa-Chlorinated Dibenzo-P-dioxins (CDDs) and Dibenzofurans (CDFs)

Method 624, Purgeables

	MDLs	**SOLID**
Benzene	10 ug/l	
Bromodichloromethane	10 ug/l	
Bromoform	10 ug/l	
Bromomethane	10 ug/l	
Carbon Tetrachloride	10 ug/l	
Chlorobenzene	10 ug/l	

Chloroethane	10 ug/l
2-Chloroethylvinyl ether	20 ug/l
Chloroform	10 ug/l
Chloromethane	10 ug/l
Dibromochloromethane	10 ug/l
1,2-Dichlorobenzene	10 ug/l
1.3-Dichlorobenzene	10 ug/l
1,4-Dichlorobenzene	10 ug/l
1,1-Dichloroethane	10 ug/l
1,2-Dichloroethane	10 ug/l
trans-1,2-Dichloroethene	10 ug/l
l,2-Dichloropropane	10 ug/l
cis-1,3-Dichloropropene	10 ug/l
trans-1,3-Dichloropropene	10 ug/l
Ethyl benzene	10 ug/l
Methylene chloride	10 ug/l
1,1,2,2-Tetrachloroethane	10 ug/l
Tetrachloroethene	10 ug/l
Toluene	10 ug/l
1,1,1-Trichloroethene	10 ug/l
1,1,2-Trichloroethene	10 ug/l
Trichlorethane	10 ug/l
Trichlorofluoromethane	10 ug/l
Vinyl chloride	10 ug/l
1,1-Dichloroethene	10 ug/l

Method 625, Base/Neutrals Extractables

	MDLs	**SOLID**
Acenaphthene	10 ug/l	
Acenaphthylene	10 ug/l	
Anthracene	10 ug/l	
Aldrin	10 ug/l	
Benzo(a)anthracene		
Benzo(b)fluoranthene	10 ug/l	
Benzo(k)fluoranthene	10 ug/l	
Benzo(a)pyrene	10 ug/l	
Benzo(ghi)perylene	20 ug/l	
Benzyl butyl phthalate	10 ug/l	
3 -BHC		
δ -BHC		
Bis(2-chloroethyl) ether	10 ug/l	
Bis(2-chloroethoxy) methane	10 ug/l	
Bis(2-ethylhexyl) phthalate		
Bis(2-chloroisopropyl) ether	10 ug/l	
4-Bromophenyl phenyl ether	10 ug/l	
Chlordane		

2-chloronaphthalene	10 ug/l
4-chlorophenyl phenyl ether	
Chrysene	10 ug/l
4,4'-DDD	
4,4'-DDE	
4,4'-DDT	
Dibenzo(a,h) anthracene	20 ug/l
Di-n-butlyphthalate	10 ug/l
1,2-Dichlorobenzene	10 ug/l
1,3-Dichlorobenzene	10 ug/l
1,4-Dichlorobenzene	10 ug/l
3,3'-dichlorobenzidine	50 ug/l
Dieldrin	
Diethyl phthalate	10 ug/l
Dimethyl phthalate	10 ug/l
2,4-dinitrotoluene	10 ug/l
2,6-dinitrotoluene	10 ug/l
Di-n-octylphthalate	10 ug/l
Endosulfan sulfate	
Endrin aldehyde	
Fluoranthene	10 ug/l
Fluorene	10 ug/l
Heptachlor	
Heptchlor epoxide	
Hexachlorobenzene	
Hexachlorobutadiene	10 ug/l
Hexachloroethane	10 ug/l
Indeno(1,2,3-cd) pyrene	10 ug/l
Isophorone	
Naphthalene	10 ug/l
Nitrobenzene	10 ug/l
N-nitrosodi-n-propylamine	10 ug/l
PCB-1016	
PCB-1221	
PCB-1232	
PCB-1242	
PCB-1248	
PCB-1254	
PCB-1260	
Phenanthrene	10 ug/l
Pyrene	10 ug/l
Toxaphene	
1,2,4-trichlorobenzene	10 ug/l

625 Acid Extractables

	MDLs	SOLID
4-chloro-3-methylphenol		
2-chlorophenol		
2,4-Dichlorophenol		
2,4-Dimethylphenol		
2,4-dintrophenol		
2-methyl-4,6-dinitrophenol		
2-nitrophenol		
4-nitrophenol		
Pentachlorophenol		
Phenol		
2,4,6-trichlorophenol		

METHOD 8015B

	MDLs	SOLID
Acetone	10 ug/l	
Acetonitrile	10 ug/l	
Acrolein	10 ug/l	
Acrylonitrile	10 ug/l	
Allyl alcohol	10 ug/l	
1-Butanol (n-Butyl alcohol)	10 ug/l	
t-Butyl alcohol	10 ug/l	
2-Chloroacylonitrile	10 ug/l	
2-Chloroethyl vinyl ether	10 ug/l	
Crotonaldehyde	10 ug/l	
Diethyl ether	10 ug/l	
1,4-Dioxane	10 ug/l	
Epichlorohydrin	10 ug/l	
Ethanol	10 ug/l	
Ethyl acetate	10 ug/l	
Ethyl glycol	10 ug/l	
Ethylene oxide	10 ug/l	
Hexafluoro-2-propanol (I.S.)	10 ug/l	
Hexafluoro-2-methyl 2-propanol (I.S.)	10 ug/l	
Isobutyl alcohol	10 ug/l	
Isopropyl alcohol	10 ug/l	
Methanol	10 ug/l	
Methyl ethyl ketone (MEK)	10 ug/l	
Methyl isobutyl ketone (MIBK)	10 ug/l	
N-Nitroso-di-n-butylamine	10 ug/l	
Paraldehyde	10 ug/l	
2-Pentanone	10 ug/l	
2-Picoline	10 ug/l	
1-Propanol	10 ug/l	

Propionitrile	10/ug/l
DRO	10/ug/l
GRO	10/ug/l
ORO	10/ug/l

METHOD 8041 Phenols by GC

	MDLs	**SOLID**
4-Chloro-3-metyhlphenol		
2-Chlorophenol		
2-Cyclohexyl-4,6-dinitrophenol		
2,4-Dichlorophenol		
2,6-Dichlorophenol		
2,4-Dimethylphenol		
Dinoseb (DNBP)		
2,4-Dintrophenol		
2-Methyl-4,6-dinitrophenol		
2-Methylphenol (o-Cresol)		
3-Methylphenol (m-Cresol)		
4-Methylphenol (p-Cresol)		
2-Nitrophenol		
4-Nitrophenol		
Pentachlorophenol		
Phenol		
2,3,4,5-Tetrachlorophenol		
2,3,4,6-Tetrachlorophenol		
2,3,5,6-Tetrachlorophenol		
2,4,5-Trichlorophenol		
2,4,6-Trichlorophenol		
2-Chloro-5-methylphenol		
4-chloro-2-methylphenol		
3-Chlorophenol		
4-Chlorophenol		
2,3-Dichlorophenol		
2,5-Dichlorophenol		
3,4-Dichlorophenol		
3,5-dichlorophenol		
2,3-Dimethylphenol		
2,5-Dimethylphenol		
2,6-Dimethylphenol		
3,4-Dimethylphenol		
2,5-Dinitrophenol		
3-Nitrophenol		
2,3,4-Trichlorophenol		
2,3,5-Trichlorophenol		
2,3,6-Trichlorophenol		

METHOD 8100 Polynuclear Aromatic Hydrocarbons

	MDLs	SOLID
Acenaphthene		
Acenaphthylene		
Anthracene		
Benzo(a)anthracene		
Benzo(a)pyrene		
Benzo(b)fluoranthene		
Benzo(j)fluoranthene		
Benzo(k)fluoranthene		
Benzo(ghi)perylene		
Chrysene		
Dibenz(a,h,)acridine		
Dibenz(a,j)acrodome		
Dibenzo(a,h)anthracene		
7H-Dibenzo(c,g)carbazole		
Dibenzo(a,e)pyrene		
Dibenzo(a,h)pyrene		
Dibenzo(a,1)pyrene		
Fluoranthene		
Fluorene		
Indo(1,2,3-cd)pyrene		
3-Methhylcholanthrene		
Naphthalene		
Phenanthrene		
Pyrene		

METHOD 8121, Chlorinated Hydrocarbons

	MDLs	SOLID
Benzal chloride	10ug/l	
Benzotrichloride	10ug/l	
Benzyl chloride	10ug/l	
2-Chloronaphthalene	10ug/l	
1,2-Dichlorobenzene	10ug/l	
1,3-Dichlorobenzene	10ug/l	
1,4-Dichlorobenzene	10ug/l	
Hexachlorobenzene	10ug/l	
Hexachlorobutadiene	10ug/l	
α-Hexachlorocyclohexane (α-BHC)	10ug/l	
β-Hexachlorocyclohexane (β-BHC)	10ug/l	
γ-Hexachlorocyclohexane (γ-BHC)	10ug/l	
δ-Hexachlorocyclohexane (δ-BHC)	10ug/l	

Hexachlorocyclopentadiene	10ug/l
Hexachloroethane	10ug/l
Pentachlorobenzene	10ug/l
1,2,3,4-Tetrachlorobenzene	10ug/l
1,2,3,5-Tetrachlorobenzene	10ug/l
1,2,4,5-Tetrachlorobenzene	10ug/l
1,2,4-Trichlorobenzene	10ug/l
1,2,3,-Trichlorobenzene	10ug/l
1,3,5-Trichlorobenzene	10ug/l

METHOD 8151A, Chlorinated Herbicides

	MDLs	**SOLID**
2,4-D		
2,4-DB		
2,4,5-TP(Silvex)		
2,4,5-T		
Dalapon		
Dicamba		
Dichloroprop		
Dinoseb		
MCPA		
MCPP		
4-Nitrophenol		
Pentachlorophenol		
Aciflouorfen		
Bentazon		
Chloramben		
DCPA diacid		
3,5-Dichlorobenzoic Acid		
5-Hydroxydicamba		
Picloram		

METHOD 8260

	MDLs	**SOLID**
Acetone	10 ug/l	
Acetonitrile	10 ug/l	
Acrolein (Propenal)	10 ug/l	
Acrylonitrile	10 ug/l	
Allyl alcohol	10 ug/l	
Allyl chloride	10 ug/l	
Benzene	10 ug/l	
Benzyl chloride	10 ug/l	
Bis(2-chloroethyl)sulfide	10 ug/l	
Bromoacetone	10 ug/l	
Bromochloromethane	10 ug/l	
Bromodichloromethane	10 ug/l	

4-Bromofluorobenzene	10 ug/l
Bromoform	10 ug/l
Bromomethane	10 ug/l
n-Butanol	10 ug/l
2-Butanone (MEK)	10 ug/l
t-Butylalcohol	10 ug/l
Carbon disulfide	10 ug/l
Carbon tetrachloride	10 ug/l
Chloral hydrate	10 ug/l
Chlorobenzene	10 ug/l
Chlorodibromomethane	10 ug/l
Chloroethane	10 ug/l
2-Chloroethanol	10 ug/l
2-Chloroethyl vinyl ether	10 ug/l
Chloroform	10 ug/l
Chloromethane	10 ug/l
Chloroprene	10 ug/l
3-Chloropropionitrile	10 ug/l
Crotonaldehyde	10 ug/l
1,2-Dibromo-3-chloropropane	10 ug/l
1,2-Dibromoethane	10 ug/l
Dibromomethane	10 ug/l
1,2-Dichlorobenzene	10 ug/l
1,3-Dichlorobenzene	10 ug/l
1,4-Dicholorbenzene	10 ug/l
cis-1,4-Dichloro-2-butene	10 ug/l
trans-1,4-Dichloro-2-butene	10 ug/l
Dichlorodifluoromethane	10 ug/l
1,1-Dichloroethane	10 ug/l
1,2-Dichloroethane	10 ug/l
1,1-Dichloroethene	10 ug/l
trans-1,2-Dichloroethene	10 ug/l
1,2-Dichloropropane	10 ug/l
1,3-Dichloro-2-propanol	10 ug/l
cis-1,3-Dicholopropene	10 ug/l
trans-1,3-Dicholoropropene	10 ug/l
1,2,3,4-Dipoxybutane	10 ug/l
Diethyl ether	10 ug/l
1,4-Difouorobenzene	10 ug/l
1,4-Dioxane	10 ug/l
Epichlorohydrin	10 ug/l
Ethanol	10 ug/l
Ethyl acetate	10 ug/l
Ethylbenzene	10 ug/l
Ethylene oxide	10 ug/l
Ethyl methacrylate	10 ug/l

Fluorobenzene	10 ug/l
Hexachlorobutadiene	10 ug/l
Hexachloroetane	10 ug/l
2-Hexanone	10 ug/l
2-Hydroxypropionitrile	10 ug/l
Iodometane	10 ug/l
Isobutyl alcohol	10 ug/l
Isopropylbenzene	10 ug/l
Malononitrile	10 ug/l
Methacrylonitrile	10 ug/l
Methanol	10 ug/l
Methlylene chloride	10 ug/l
Methyl methacrylate	10 ug/l
4-Methyl-2-pentanone (MIBK)	10 ug/l
Naphthalene	10 ug/l
Nitrobenzene	10 ug/l
2-Nitropropane	10 ug/l
N-Nitroso-di-n-butylamine	10 ug/l
Paraldehyde	10 ug/l
Pentachloroethane	10 ug/l
2-Pentanone	10 ug/l
2-Picoline	10 ug/l
1-Propanol	10 ug/l
2-Propanol	10 ug/l
Propargyl alcohol	10 ug/l
β-Propiolactone	10 ug/l
Propionitrile (ethyl cyanide)	10 ug/l
n-Propylamine	10 ug/l
Pyridine	10 ug/l
Styrene	10 ug/l
1,1,1,2-Tetrachloroethane	10 ug/l
1,1,2,2-Tetrachloroethane	10 ug/l
Tetrachloroethene	10 ug/l
Toluene	10 ug/l
o-Touidine	10 ug/l
1,2,4-Trichlorobenzene	10 ug/l
1,1,1-Trichloroethane	10 ug/l
1,1,2-Trichloroethane	10 ug/l
Trichloroethene	10 ug/l
Trichlorofluoromethane	10 ug/l
1,2,3-Trichloropropane	10 ug/l
Vinyl acetate	10 ug/l
Vinyl Chloride	10 ug/l
o-Xylene	10 ug/l
m-Xylene	10 ug/l
p-Xylene	10 ug/l

Method 8270

	MDLs	SOLID
Acenaphthene	10	
Acenaphthylene	10	
Acetophenone	10	
2-Acetylaminofluorene	20	
1-Acetyl-2-thiourea	1000	
2-Aminoanthraquinone	20	
Aminoazobenzene	10	
4-Aminobiphenyl	20	
Anilazine	100	
Aniline		
o-Anisidine	10	
Anthracene	10	
Aramite	20	
Azinphos-methyl	100	
Benzidine		
Benzoic acid	50	
Benz(a)anthracene	10	
Benzo(b)fluoranthene	10	
Benzo(k)fluoranthene	10	
Benzo(g,h,i,)perylene	10	
Benzo(a)pyrene	10	
p-Benzoquinone	10	
Benzyl alcohol	20	
Bis(2-chloroethoxy)methane	10	
Bis(2-chloroethyl)ether	10	
Bis(2-chloroisoproply) ether	10	
Bis(2-ethylhexyl)phthalate		
4-Bromophenyl phenyl ether	10	
Bromoxynil	10	
Butyl Benzyl phthalate	10	
Captafol	20	
Captan	50	
Carbaryl	10	
Carbofuran	10	
Carbophenothion	10	
Chlordane		
Cholrfenvinphos	20	
4-Choloraniline	20	
Chlorobenzilate	10	
5-Chloro-2-methlyaniline	20	
4-Chloro-3-methylphenol	20	
3-(Chloromethyl)pyridine hydrochloride	100	
1-Chloronaphthalene		

2-Chloronaphthalene	10
2-Chlorophenol	10
4-Chloro-1,2-phenylenediamine	
4-Chloro-1,3-phenylenediamine	
4-Cholorphenyl phenyl ether	10
Chrysene	10
Coumaphos	40
p-Cresidine	10
Crotoxyphos	20
2-Cyclohexyl-4,6-dinitro-phenol	100
Demeton-O	10
Demeton-S	10
Diallate (cis or trans)	10
2,4-Diaminotoluene	20
Dibenz(a,j)acridine	10
Dibenz(a,h)anthracene	10
Dibenzofuran	10
Dibenzo(a,e)pyrene	10
1,2-Dibromo-3-chloropropane	
Di-n-butyl phthalate	10
Diclone	
1,2-Dichlorobenzene	10
1,3-Dichlorobenzene	10
1,4-Dichlorobenzene	10
3,3'-Dichlorobenzidine	20
2,4-Dichlorophenol	10
2,6-Dichlorophenol	10
Dichlorovos	10
Dicrotophos	10
Diethyl phathalate	10
Diethyelstilbestrol	20
Dimethoate	20
3,3'-Dimethoxybenzidine	100
Dimethylaminoazobenzene	10
7,12-Dimethylbenz(a)anthracene	10
3,3'-Dimethylbenzidiene	10
2,4-Dimethylphenol	10
Dimethyl phthalate	10
1,2-Dinitrobenzene	40
1,3-Dinitrobenzene	20
1,4-Dinitrobenzene	40
4,6-Dinitro-2-methylphenol	50
2,4-Dinitrophenol	50
2,4-Dinitrotoluene	10
2,6-Dinitrotoulene	10
5,5-Diphenylhydantoin	20

1,2-Diphenylhydrazine	
Di-n-octyl phthalate	10
Disulfoton	10
EPN	10
Ethion	10
Ethyl carbamate	50
Ethyl methanesulfonate	20
Famphur	20
Fensulfothion	40
Fenthion	10
Fluchloralin	20
Fluoranthene	10
Fluorene	10
2-Fluorobiphenyl	
2-Fluorophenol	
Hexachlorobenzene	10
Hexachlorobutadiene	10
Hexachlorocyclopentadiene	10
Hexachloroethane	10
Hexacholorophene	50
Hexamethylphosphoramide	20
Hydroquinone	
Indeno(1,2,3-cd)pyrene	10
Isodrin	20
Isophorone	10
Isosafrole	10
Kepone	20
Leptophos	10
Mestranol	20
Methapyrilene	100
3-Methylcholanthrene	10
Methyl methanesulfonate	10
2-Methylnaphthalene	10
2-Methlyphenol	10
3-Methylphenol	10
4-Methylphenol	10
Monocrotophos	40
Naphthalene	10
1,4-Naphthoquinone	10
1-Naphthylamine	10
2-Naphthylamine	10
Nicotine	20
5-Nitroacenaphthene	10
2-Nitroaniline	50
3-Nitroaniline	50
4-Nitroaniline	20

5-Nitro-o-toluidine	10
4-Nitroquinoline-1-oxide	40
N-Nitrosodi-n-butylamine	10
N-Nitrosodiethylamine	20
N-Nitrosodimethylamine	
N-Nitrosodiphenylamine	10
N-Nitrosodi-n-propylamine	10
N-Nitrosomorpholine	
N-Nitrosopiperidine	20
N-Nitrosopyrrolidine	40
Octamethyl pyrophosphoramide	200
4-4'-Oxydianiline	20
Pentachlorobenzene	10
Pentachloronitrobenzene	20
Pentachlorophenol	50
Phenacetin	20
Phenanthrene	10
Phenobarbital	10
Phenol	10
1,4-Phenylenediamine	10
Phorate	10
Phosalone	100
Phosmet	40
Phosphamidon	100
Phthalic anhydride	100
2-Picoline (2-Methylpyridine	
Piperonyl sulfoxide	100
Pronamide	10
Propylthiouracil	100
Pyrene	10
Pyridine	
Resorcinol	100
Safrole	10
Strychnine	40
Sulfallate	10
Terbufos	20
1,2,4,5-Tetrachlorobenzene	10
2,3,4,6-Tetrachlorophenol	10
Tetrachlorvinphos	20
Tetraethyl pyrophosphate	40
Thionazine	20
Thiophenol (Benzenethiol)	20
Toulene diisocyanate	
o-Toulidine	10
Toxaphene	
2,4,6-Tribromophenol	

1,2,4-Trichlorobenzene	10
2,4,5-Trichlorophenol	10
2,4,6-Trichlorophenol	10
Trifluralin	10
2,4,5-Trimethylaniline	10
Trimethyl phosphate	10
1,3,5-Trinitrobenzene	10
Tris(2,3-dibromopropyl) phosphate	200
Tri-p-tolyl phosphate	10
O,O,O-Triethyl phosphorothioate	

METHOD 8310 Polynuclear Aromatic Hydrocarbons by HPLC

	MDLs	**SOLID**
Acenaphthene		
Acenaphthylene		
Anthracene		
Benzo(a)anthracene		
Benzo(a)pyrene		
Benzo(b)fluoranthene		
Benzo(k)fluoranthene		
Benzo(ghi)perylene		
Chrysene		
Dibenzo(a,h)anthracene		
Fluoranthene		
Fluorene		
Indo(1,2,3-cd)pyrene		
Naphthalene		
Phenanthrene		
Pyrene		

TCLP RCRA Pesticides and Herbicides EPA 1311/SW846	**PQL µg/l**	**SOLID**
Chlordane	2.0	
Endrin	20.0	
Heptachlor (and its epoxide)	2.0	
Lindane	20.0	
Methoxychlor	20.0	
toxaphene	2.0	
2,4-D	50.0	
2,4,5-TP(silvex)	10.0	

Attachment B- Organic Analysis Guidelines

TCLP RCRA METALS EPA 1311/SW846	**PQL µg/l**	**SOLID**
Arsenic	20.0	
Barium	500.0	
Cadmium	25.0	
Chromium	250.0	
Lead	500.0	
Mercury	2.0	
Selenium	20.0	
Silver	50.0	

TCLP Volatile Organics 8260 with 1311 extraction	**MDLs**	**SOLID**
Benzene	50.0	
Carbon Tetrachloride	50.0	
Chlorobenzene	50.0	
Chlordoform	50.0	
1,2-dichloroethane	50.0	
1,1-dichloroethane	50.0	
methyl ethyl ketone	1000.0	
tetrachloroethylene	50.0	
trichloroethylene	50.0	
vinyl chloride	50.0	

TCLP Semi-Volatile Organics 8270 with 1311 extraction	**MDLs**	**SOLID**
o-cresol	20.0	
m,p-cresol	40.0	
2,4-dinitrotoluene	10.0	
hexacholorobenzene	10.0	
hexachloro-1,3-butidiene	10.0	
hexachloroethane	10.0	
nitrobenzene	10.0	
pentachlorophenol	20.0	
pyridiene	10.0	
2,4,5-trichlorophenol	20.0	
2,4,6-trichlorophenol	20.0	
1,4-dichlorobenzene	10.0	

RCRA General Chemistry	**MDLs**	**SOLID**
Ignitablilty	Corrosivity	
Total Releasable Sulfide as H2S	5.0	

Total Releasable Cyanide as HCN	1.0

Metals/Cyanide Target Analyte List (TAL)-low level option

EPA 200.7/SW 7470/7471	MDL
	Water/solid
Aluminum	200 µg/l /40 mg/Kg
Antimony	60 µg/l /12 mg/Kg
Arsenic	10 µg/l /2 mg/Kg
Barium	200 µg/l /40 mg/Kg
Beryllium	5 µg/l /1 mg/Kg
Cadmium	5 µg/l /1 mg/Kg
Calcium	5000 µg/l /1000 mg/Kg
Chromium	10 µg/l /2 mg/Kg
Cobalt	50 µg/l /10 mg/Kg
Copper	25 µg/l /5 mg/Kg
Iron	100 µg/l /20 mg/Kg
Lead	3 µg/l /1 mg/Kg
Magnesium	5000 µg/l /1000 mg/Kg
Manganese	15 µg/l /3 mg/Kg
Mercury	0.0002 mg/L/0.0002 mg/L
Molybdenum	20 µg/l /8 mg/Kg
Nickel	40 µg/l /8 mg/Kg
Potassium	5000 µg/l /1000 mg/Kg
Selenium	5 µg/l /1 mg/Kg mg/Kg
Silica	100 µg/l /20 mg/Kg
Silver	10 µg/l /2 mg/Kg
Sodium	5000 µg/l /1000 mg/Kg
Thallium	10 µg/l /2 mg/Kg
Vanadium	20 µg/l /4 mg/Kg
Zinc	10 µg/l /2 mg/Kg

Cyanide by current SW-846 methods	0.1 mg/L

Priority Pollutant Metals-(Low Level option)Water

EPA 245.7 or 1631	MDL
Mercury	0.2 ng/l

Priority Pollutant Metals (low level option)-soil

EPA 245.5	MDL

Mercury 0.1 mg/kg

USED OIL FUEL TEST PACKAGE:

Constituent / property	Allowable level	Test Method
Arsenic	5 ppm maximum	Total Metals (SW-846 Extraction Method 3031 & either Analytical Method 6010C, 6020A, 7000B or 7010)
Cadmium	2 ppm maximum	Total Metals (same as above)
Chromium	10 ppm maximum	Total Metals (same as above)
Lead	100 ppm maximum	Total Metals (same as above)
Flash point	100 °F minimum	Pensky-Martin Closed Cup (SW-846 Method 1010B)
Total halogens	4,000 ppm maximum with 1,000 ppm reportable	Total Halogens (SW-846 Method 9057, 9076 or 9077)

CONSTITUENTS FOR PHASE I DETECTION MONITORING[1]

GROUP A:
Inorganic Constituents:

COMMON NAME[2]	CAS RN[3]
Acidity	(Total)
Aluminum	(Total)
Alkalinity	(Total)
Ammonia Nitrogen	(Total)
Antimony	(Total)
Arsenic	(Total)
Barium	(Total)
Beryllium	(Total)
Bicarbonates	(mg/l)
Boron	(Total)
Cadmium	(Total)
Chlorides	(Total)
Chromium	(Total)
Cobalt	(Total)
COD	(mg/l)
Copper	(Total)
Dissolved Manganese	(Total)
Iron	(Total)
Lead	(Total)
Magnesium	(Total)
Mercury	(Total)
Molybdenum	(Total)
Nickel	(Total)

Nitrate	(Total)
pH	(Std. Units)
Potassium	(Total)
Selenium	(Total)
Silver	(Total)
Sodium	(Total)
Specific Conductance	(µmhos/cm)
Sulfate	(Total)
TDS	(mg/l)
Thallium	(Total)
TOC	(mg/l)
Total Phenolic Materials	(Total)
TSS	(Total)
Turbidity	(Total)
Vanadium	(Total)
Zinc	(Total)

In addition to the above, the following parameters should be analyzed:
Temperature, (BOD-5day), flouride and calcium.

GROUP B:

Organic Constituents:

COMMON NAME[2]	CAS RN[3]
Acetone	67-64-1
Acrylonitrile	107-13-1
Benzene	71-43-2
Bromochloromethane	74-97-5
Bromodichloromethane	75-27-4
Bromoform; Tribromomethane	75-25-2
Carbon disulfide	75-15-0
Carbon tetrachloride	56-23-5
Chlorobenzene	108-90-7
Chloroethane; Ethyl chloride	75-00-3
Chloroform; Trichloromethane	67-66-3
Dibromochloromethane; Chlorodibromomethane	124-48-1
1,2-Dibromo-3-chloropropane; DBCP	96-12-8
1,2,-Dibromoethane; Ethylene dibromide; EDB	106-93-4
o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1
p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7
trans-1,4-Dichloro-2-butene	110-57-6
1,1-Dichloroethane; Ethylidene chloride	75-34-3
1,2-Dichlorethanel Ethylene dichloride	107-06-2
1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride	75-35-4
cis-1,2-Dichlorethylene; cis-1,2-Dichloroethene	156-59-2
trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene	156-60-5
1,2-Dichloropropane; Propylene dichloride	78-87-5
cis-1,3-Dichloropropene	10061-01-5
trans-1,3-Dichloropropene	10061-02-6
Ethylbenzene	100-41-4
2-Hexanone; Methyl butyl ketone	591-78-6
Methyl bromide; Bromomethane	74-83-9
Methyl chloride; Chloromethane	74-87-3
Methylene bromide; Dibromomethane	74-95-3
Methylene chloride; Dichloromethane	75-09-2
Methyl ethyl ketone; MEK; 2-Butanone	78-93-3
Methyl iodide; Iodomethane	74-88-4
4-Methyl-2-pentanone; Methyl isobutyl ketone	108-10-1
Styrene	100-42-5
1,1,1,2-Tetrachloroethane	630-20-6
1,1,2,2-Tetrachloroethane	79-34-5
Tetrachloroethylene; Perchloroethylene	127-18-4
Toluene	108-88-3
1,1,1-Trichloroethane; Methyichloroform	71-55-6
1,1,2-Trichloroethane	79-00-5
Trichloroethylene; Trichloroethene	79-01-6
Trichlorofluoromethane; CFC-11	75-69-4

1,2,3-Trichloropropane	96-18-4
Vinyl acetate	108-05-4
Vinyl chloride	75-01-4
Xylenes	1330-20-7

1. This list contains volatile organics for which possible analytical procedures provided in EPA Report SW-846 "Test Methods for Evaluating Solid Waste," third edition, November 1986, as revised December 1987, includes Method 8260 and 8011; and metals for which SW-846 provides either Method 6010 or a method from the 7000 series of methods.

2. Common names are those widely used in government regulations, scientific publications, and commerce; synonyms exist for many chemicals.

3. Chemical Abstracts Service registry number. Where "Total" is entered, all species in the groundwater that contain this element are included.

PHASE II ASSESSMENT MONITORING
HAZARDOUS INORGANIC AND ORGANIC CONSTITUENTS[1]

COMMON NAME[2]	CAS RN[3]	CHEMICAL ABSTRACTS SERVICE INDEX NAME[4]	SUGGESTED METHODS[5]	PQL UG/L)[6]
Acenaphthene	83-32-9	Acenaphthylene,1,2-dihydro-	8100	200
			8270	10
Acenaphthylene	208-96-8	Acenaphthylene	8100	200
			8270	10
Acetone	67-64-1	2-Propanone	8260	100
Acetonitrile; Methyl cyanide	75-05-8	Acetonitrile	8015	100
Acetophenone	98-86-2	Ethanone, 1-phenyl	8270	10
2-Acetylamino fluorene; 2-AAF	53-96-3	Acetamide,N-9H-fluoren-2-yl-	8270	20
Acrolein	107-02-8	2-Propenal	8030	5
			8260	100
Acrylonitrile	107-13-1	2-Propenenitrile	8030	5
			8260	200
Aldrin	309-00-2	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1a,4a,4aB,5a,8a,8aB)-	8080	0.05
			8270	10
Allyl chloride	107-05-1	1-Propene, 3-chloro-	8010	5
			8260	10
4-Aminobiphenyl	92-67-1	{1,1[1]--Biphenyl}-4-amine	8270	20
Anthracene	120-12-7	Anthracene	8100	200
			8270	10
Antimony	(Total)	Antimony	6010	300
			7040	2000
			7041	30
Arsenic	(Total)	Arsenic	6010	500
			7060	10
			7061	20

Barium	(Total)	Barium	6010	20
			7080	1000
Benzene	71-43-2	Benzene	8020	2
			8021	0.1
			8260	5
Benzo(a)anthracene;Benzathracene	56-55-3	Benz(a)anthracene	8100	200
			8270	10
Benzo(b)fluoranthene	205-99-2	Benz(e)acephenanthrylene	8100	200
			8270	10
Benzo(k)fluoranthene	207-08-9	Benzo(k)fluoranthene	8100	200
			8270	10
Benzo(ghi)perylene	191-24-2	Benzo(ghi)perylene	8100	200
			8270	10
Benzo(a)pyrene	50-32-8	Benzo)a)pyrene	8100	200
			8270	10
Benzyl alcohol	100-51-6	Benzenemethanol	8270	20
Beryllium	(Total)	Beryllium	6010	3
			7090	50
			7091	2
alpha-BHC	319-84-6	Cyclohexane, 1,2,3,4,5,6-	8080	0.05
		hexachloro-, (1a,2a,3B,4a,5B,6B)	8270	10
beta-BHC	319-85-7	Cyclohexane, 1,2,3,4,5,6-	8080	0.05
		hexachloro-, (1a,2a,3B,4a,5B,6B)	8270	20
delta-BHC	319-86-8	Cyclohexane, 1,2,3,4,5,6-	8080	0.1
		hexachloro-, (1a,2a,3a,4B,5a,6B)	8270	20
gamma-BHC;Lindane	58-89-9	Cyclohexane, 1,2,3,4,5,6-	8080	0.05
		hexachloro-, (1a,2a,3B,4a, 5a,6B)	8270	20
Bis(2-chloroethoxy)methane	111-91-1	Ethane, 1,1[1]		
-{methylenebis	8110	5		
		(oxy)}bis{2-chloro	8270	10
Bis(2-chloroethyl)ether;	111-44-4	Ethane, 1,1-oxybis{2-chloro-	8110	3
Dichlor-oethyl ether			8270	10
Bis(2-chloro 1-methylethyl)	108-60-1	Propane, 2,2-oxybis{1-chloro-	8110	10
ether; 2,2[1]-Dichlorodiiso-			8270	10
propyl ether; DCIP See Note 7				
Bis(2-ethylhexyl)phthalate	117-81-7	1,2-Benzenedicarboxylic acid,	8060	20

		bis(2-ethylhexyl) ester		
Bromochloromethane; Chloro-bromomethane	74-97-5	Methane, bromochloro-	8021	0.1
			8260	5
Bromodichloromethane; Dibromochloromethane	75-27-4	Methane, bromodichloro-	8010	1
			8021	0.2
			8260	5
Bromoform;Tribromomethane	75-25-2	Methane, tribromo	8010	2
			8021	15
			8260	5
4-Bromophenyl.phenyl ether	101-55-3	Benzene, 1-bromo-4-phenoxy	8110	25
			8270	10
Butyl benzyl phthalate; Benzyl butyl phthalate	85-68-7	1,2-Benzenedicarboxylic acid, butyl phenylmethyl ester	8060	5
			8270	10
Cadmium	(Total)	Cadmium	6010	40
			7130	50
			7131	1
Carbon disulfide	75-15-0	Carbon disulfide	8260	100
Carbon tetrachloride	56-23-5	Methane, tetrachloro-	8010	1
			8021	0.1
			8260	10
Chlordane	See Note 8	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	8080	0.1
			8270	50
p-Chloroaniline	106-47-8	Benzenamine, 4-chloro	8270	20
Chlorobenzene	108-90-7	Benzene, chloro-	8010	2
			8020	2
			8021	0.1
			8260	5
Chlorobenzilate	510-15-6	Benzeneacetic acid, 4-chloro-a-(4-chlorophenyl)-a-hydroxyethyl ester	8270	10
p-Chloro-m-cresol; 4-Chloro-3-methylphenol	59-50-7	Phenol, 4-chloro-3-methyl-	8040	5
			8270	20
Chloroethane;Ethyl chloride	75-00-3	Ethane, chloro-	8010	5
			8021	1
			8260	10

Chloroform,Trichloromethane	67-66-3	Methane, trichloro-	8010	0.5
			8021	0.2
			8260	5
2-Chloronaphthalene	91-58-7	Naphthalene, 2-chloro-	8120	10
			8270	10
2-Chlorophenol	95-57-8	Phenol, 2-chloro-	8040	5
			8270	10
4-Chlorophenyl phenyl ether	7005-72-3	Benzene, 1-chloro-4-phenoxy-	8110	40
			8270	10
Chloroprene	126-99-8	1,3-Butadiene, 2-chloro-	8010	50
			8260	20
Chromium	(Total)	Chromium	6010	70
			7190	500
			7191	10
Chrysene	218-01-9	Chrysene	8100	200
			8270	10
Cobalt	(Total)	Cobalt	6010	70
			7200	500
			7201	10
Copper	(Total)	Copper	6010	60
			7210	200
			7211	10
m-Cresol; 3-methylphenol	108-39-4	Phenol, 3-methyl	8270	10
o-Cresol; 2-methylphenol	95-48-7	Phenol, 2-methyl	8270	10
p-Cresol; 4-methylphenol	106-44-5	Phenol, 4-methyl	8270	10
Cyanide	57-12-5	Cyanide	9010	200
2,4-D; 2,4-Dichloro-phenoxyacetic acid	94-75-7	Acetic acid (2,4-dichloro phenoxy)	8150	10
4,4[1]-DDD	72-54-8	Benzene 1,1[1]-(2,2-dichloro-	8080	0.1
		ethylidene)bis{4-chloro-	8270	10
4,4[1]-DDE	72-55-9	Benzene 1,1[1]-(dichloro-	8080	0.05
		ethyenylidene)bis{4-chloro-	8270	10
4,4[1]-DDT	50-29-3	Benzene 1,1[1]-(2,2,2-trichloro-	8080	0.1
		ethylidene)bis	8270	10
		{4-chloro-)		
Diallate	2303-16-4	Carbamothioic acid,	8270	10

		bis(1-methylethyl)-S-(2,3-dichloro- 2-propenyl) ester		
Dibenz{a,h}anthracene	53-70-3	Dibenz{a,h}anthracene	8100	200
			8270	10
Dibenzofuran	132-64-9	Dibenzofuran	8270	10
Dibromochloromethane; Chlorodibromomethane	124-48-1	Methane, dirbromochloro-	8010	1
			8021	0.3
			8260	5
1,2-Dibromo- 3-chloropropane;DBCP	96-12-8	Propane, 1,2-dibrome-3-chloro-	8011	0.1
			8021	30
			8260	25
1,2-Dibromoethane; Ethylene dribromide;EDB	106-93-4	Ethane, 1,2-dibromo	8011	0.1
			8021	10
			8260	5
Di-n-butyl phthalate	84-74-2	1,2-Benzenedicarboxylic acid, dibutyl ester	8060	5
			8270	10
o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1	Benzene, 1,2-dichloro-	8010	2
			8020	5
			8021	0.5
			8120	10
			8260	5
			8270	10
m-Dichlorobenzene; 1,3-Dichlorobenzene	541-73-1	Benzene, 1,3-Dichloro-	8010	5
			8020	5
			8021	0.2
			8120	10
			8260	5
			8270	10
p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7	Benzene, 1,4-Dichloro-	8010	2
			8020	5
			8021	0.1
			8120	15
			8260	5
			8270	10
3,3[1]--Dichlorobenzidine	91-94-1	{1,1[1]-Biphenyl}-4,4[1]-diamine, 3,3[1]--dichloro-	8270	20

trans-1,4-Dichloro-2-butene	110-57-6	2-Butene, 1,4-dichlor-(E)	8260	100
Dichlorodifluoro-methane; CFC 12	75-71-8	Methane, dichlorodifluoro	8021	0.5
			8260	5
1,1-Dichloroethane; Ethyldidene chloride	75-34-3	Ethane, 1,1-dichloro	8010	1
			8021	0.5
			8260	5
1,2-Dichloroethane; Ethylene dichloride	107-06-2	Ethane, 1,1-dichloro	8010	0.5
			8021	0.3
			8260	5
1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride	75-35-4	Ethene, 1,1-dichloro	8010	1
			8021	0.5
			8260	5
cis-1,2-Dichloroethylene; cis-1,2-Dichloroethane	156-59-2	Ethene, 1,2-dichloro-,(Z)	8021	0.2
			8260	5
trans-1,2-Dichloro-ethylene; trans-1,2-Dichloroethene	156-60-5	Ethene, 1,2-dichloro-,(E)	8010	1
			8021	0.5
			8260	5
2,4-Dichlorophenol	120-83-2	Phenol, 2,4-dichloro-	8040	5
			8270	10
2,6-Dichlorophenol	87-65-0	Phenol, 2,6-dichloro-	8270	10
1,2-Dichloropropane; Propylene dichloride	78-87-5	Propane, 1,2-dichloro-	8010	0.5
			8021	0.05
			8260	5
1,3-Dichloropropane; Trimethylene dichloride	142-28-9	Propane, 1,3-dichloro-	8021	0.3
			8260	5
2,2-Dichloropropane; Isopropylidene chloride	594-20-7	Propane, 2,2-dichloro-	8021	0.5
			8260	15
1,1-Dichloropropene	563-58-6	1-Propene, 1,1-dichloro-	8021	0.2
			8260	5
cis-1,3-Dichloropropene	10061-01-5	1-Propene, 1,3-dichloro-(Z)	8010	20
			8260	10
trans-1,3-Dichloro-propene	10061-02-6	1-Propene, 1,3-dichloro-(E)	8010	5
			8260	10
Dieldrin	60-57-1	2,7:3,6-Dimethanonaphth {2,3-b}oxirene, 3,4,5,6,9,9	8080	0.05
			8270	10

		-hexa, chloro-1a,2,2a,3,6,6a,7, 7a-octa- hydro-,(1aa,2B,2aa,3B, 6B,6aa,7B,7aa)		
Diethyl phthalate	84-66-2	1,2-Benzenedicarboxylic acid, diethyl ester	8060 8270	5 10
0,0-Diethyl 0-2-pyrazinyl phosphorothioate; Thionazin	297-97-2	Phosphorothioic acid, 0,0-diethyl 0-pyrazinyl ester	8141 8270	5 20
Dimethoate	60-51-5	Phosphorodithioic acid, 0,0-diethyl,S-{2-(methylamino) -2-oxoethyl} ester	8141 8270	3 20
p-(Dimethylamino)azobenzene	60-11-7	Benzenamine,N,N-dimethyl-4-(phenylazo)	8270	10
7,12-Dimethylbenz{a}anthracene-	57-97-6	Benz{a}anthracene, 7,12-dimethyl-	8270	10
3,3-Dimethlbenzidine-	119-93-7	{1,1Biphenyl}-4,4-diamine, 3,3-dimethyl-	8270	10
2,4-Dimethylphenol; m-Xylenol	105-67-9	Phenol, 2,4-dimethyl	8040 8270	5 10
Dimethyl phthalate	131-11-3	1,2-Benzenedicarboxylic acid, dimethyl ester	8060 8270	5 10
m-Dinitrobenzene	99-65-0	Benzene, 1,3-dinitro-	8270	20
4,6-Dinitro-o-cresol 4,6-Dinitro-2-methylphenol	534-52-1	Phenol, 2-methyl-4,6-dinitro	8040 8270	150 50
2,4-Dinitrophenol;	51-28-5	Phenol, 2,4-dinitro	8040 8270	150 50
2,4-Dinitroluene	121-14-2	Benzene, 1-methyl-2,4-dinitro-	8090 8270	0.2 10
2,6-Dinitrotoluene	606-20-2	Benzene, 2-methyl-1,3-dinitro-	8090 8270	0.1 10
Dinoseb; DNBP; 2-sec-Butyl-4,6-dinitrophenol	88-85-7	Phenol, 2-(1-methylpropyl)-4,6-dinitro-	8150 8270	1 20
Di-n-octyl phthalate	117-84-0	1,2-Benzenedicarboxylic acid, dioctyl ester	8060 8270	30 10
Diphenylamine	122-39-4	Benezenamine, N-phenyl-	8270	10
Disulfoton	298-04-4	Phosphorodithioic acid,0,0-diethyl S-{2-(ethylthio)ethyl}.ester	8140 8141	2 0.5

Endosulfan I	959-98-8	6,9-Methano-2,4,3-benzodiox-athiepin, 6,7,8,9,10,10-hexa-chloro 1,5,5a,6,9,9a-hexahydro, 3-oxide	8270 8080 8270	10 0.1 20
Endosulfan II	33213-65-9	6,9-Methano-2,4,3-benzodiox-athiepin, 6,7,8,9,10,10-hexa-chloro 1,5,5a,6,9,9a-hexa-hydro, 3-oxide, (3a,5aa,6B,9B,9aa)-	8080 8270	0.05 20
Endosulfan sulfate	1031-07-8	6,9-Methano-2,4,3-benzodiox-athiepin, 6,7,8,9,10,10-hex-achloro 1,5,5a,6,9,9a-hexa-hydro, 3,3-dioxide.	8080 8270	0.5 10
Endrin	72-20-8	2,7:3,6-Dimethanonaphth{2,3-b} oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a- octahydro-, (1aa,2B,2aB,3a,6a,6aB,7B,7aa)-	8080 8270	0.1 20
Endrin aldehyde	7421-93-4	1,2,4-Methenocyclopenta{cd} pentalene-5- carboxaldehyde, 2,2a,3,3,4,7-hexachlorodec ahydro-, (1a,2B,2aB,4B,4aB,5B,6aB,6bB,7R)	8080 8270	0.2 10
Ethylbenzene	100-41-4	Benzene, ethyl-	8020 8221 8260	2 0.05 5
Ethyl methacrylate	97-63-2	2-Propenoic acid, 2-methyl-, ethyl ester	8015 8260 8270	5 10 10
Ethyl methanesulfonate	62-50-0	Methanesulfonic acid, ethylester	8270	20
Famphur	52-85-7	Phosphorothioic acid, 0-[4-{(dimethylamino)sulfonyl} phenyl} 0,0-dimethyl ester	8270	20
Fluoranthene	206-44-0	Fluoranthene	8100 8270	200 10
Fluorene	86-73-7	9-H-Fluorene	8100 8270	200 10
Heptachlor	76-44-8	4,7-Methano-1H-indene, 1,4,5,6,7,	8080	0.05

		8,8-heptachloro-3a,4,7, 7a-tetrahydro-	8270	10
Heptachlor epoxide	1024-57-3	2,5-Methano-2H-indeno{1,2-b}	8080	1
		oxirene,2,3,4,5,6,7,7-hepta chloro-1a,1b,5,5a,6,2,2, hexahydro-(1aa,1bB,2a,5a, 5aB,6B,6aa)	8270	10
Hexachlorobenzene	118-74-1	Benzene, hexachloro	8120	0.5
			8270	10
Hexachlorobutadiene	87-68-3	1,3-Butadiene, 1,1,2,3,4, 4-hexachloro-	8021	0.5
			8120	5
			8260	10
			8270	10
Hexachlorocyclopentadiene	77-47-4	1,3-Cyclopentadiene, 1,2,3, 4,5, 5-hexachloro-	8120	5
			8270	10
Hexacloroethane	67-72-1	Ethane, hexachloro-	8120	0.5
			8260	10
			8270	10
Hexachloropropene	1888-71-7	1-Propene,1,1,2,3,3,3-hexachloro-	8270	10
2-Hexanone; Methyl butyl ketone	591-78-6	2-Hexanone	8260	50
Indeno(1,2,3-cd)pyrene	193-39-5	Indeno(1,2,3-cd)pyrene	8100	200
			8270	10
Isobutyl alcohol	78-83-1	1-Propanol, 2-methyl-	8015	50
			8240	100
Isodrin	465-73-6	1,4,5,8-Dimethanonaphthalene,	8270	20
		1,2,3,4,10,10-hexachloro-	8260	10
		1,4, 4a,5,8,8a hexahydro- (1a,4a, 4aB,5B,8B,8aB)-		
Isophorone	78-59-1	2-Cyclohexen-1-one,3,5,5 trimethyl	8090	60
			8270	10
Isosafrole	120-58-1	1,3-Benzodioxole, 5-(1-pro-penyl)	8270	10
Kepone	143-50-0	1,3,4-Metheno-2H-cyclobuta{cd}	8270	20
		pentalen-2-one,1,1a,3,3a,4,5,5, 5a,5b, 6-decachlorooctahydro-		
Lead	(Total)	Lead	6010	400

			7420	1000
			7421	10
Mercury	(Total)	Mercury	7470	2
Methacrylonitrile	126-98-7	2-Propenenitrile, 2-methyl-	8015	5
			8260	100
Methapyrilene	91-80-5	1,2-Ethanediamine, N.N-dimethyl-N-2-pridinyl-N1/2- thienylmethyl)	8270	100
Methoxychlor	72-43 5	Benzene,1,1-(2,2,2,trichloro-ethylidene) bis{4-methoxy-	8080	2
			8270	10
Methyl bromide; Bromomethane	74-83-9	Methane, bromo-	8010	20
			8021	10
Methyl chloride; Chloromethane	74-87-3	Methane, chloro-	8010	1
			8021	0.3
3-Methylcholan threne	56-49-5	Benz{j}aceanthrylene, 1,2 dihydro- 3-methyl-	8270	10
Methyl ethyl.ketone; MEK; 2-Butanone	78-93-3	2-Butanone	8015	10
			8260	100
Methyl iodide;Iodomethane	74-88-4	Methane, iodo-	8010	40
			8260	10
Methyl methacrylate	80-62-6	2-Propenoic acid, 2-methyl ester	8015	2
			8260	30
Methyl methanesulfonate	66-27-3	Methanesulfonic acid, methyl ester	8270	10
2-Methylnaphthalene	91-57-6	Naphthalene, 2-methyl-	8270	10
Methyl parathion; Parathion methyl	298-00-0	Phosphorothioic acid, 0,0-dimethyl 0-(4-nitrophenyl)ester	8140	0.5
			8141	1
			8270	10
4-Methyl-2-pentanone;- Methyl isobutyl ketone	108-10-1	2-Pentanone, 4-methyl	8015	5
			8260	100
Methylene bromide; Dibromomethane	74-95-3	Methane, dibromo-	8010	15
			8021	20
			8260	10
Methylene chloride; Dichloromethane	75-09-2	Methane, dichloro-	8010	5
			8021	0.2
			8260	10
Naphthalene	91-20-3	Naphthalene	8021	0.5

			8100	.200
			8260	5
			8270	10
1,4-Naphthoquinone	130-15-4	1,4-Naphthalenedione	8270	10
1-Naphthylamine	134-32-7	1-Naphthalenamine	8270	10
2-Naphthylamine	91-59-8	2-Naphthalenamine	8270	10
Nickel	(Total)	Nickel	6010	150
			7520	400
o-Nitroaniline; 2-Nitroaniline	88-74-4	Benzenamine, 2-nitro-	8270	50
m-Nitroaniline;3-Nitroanile	99-09-2	Benzenamine, 3-nitro-	8270	50
p-Nitroaniline; 4-Nitroaniline	100-01-6	Benzenamine, 4-nitro-	8270	20
Nitrobenzene	98-95-3	Benzene, nitro-	8090	40
			8270	10
o-Nitrophenol; 2-Nitrophenol	88-75-5	Phenol, 2-nitro-	8040	5
			8270	10
p-Nitrophenol; 4-Nitrophenol	100-02-7	Phenol, 4-nitro-	8040	10
			8270	50
N-Nitrosodi-n- butylamine	924-16-3	1-Butanamine, N-butyl-N-nitroso-	8270	10
N-Nitrosodiethylamine	55-18-5	Ethanamine, N-ethyl-N-nitroso	8270	20
N-Nitrosodimethylamine	62-75-9	Methanamine, N-methyl-N-nitroso-	8070	2
N-Nitrosodiphenylamine	86-30-6	Benzenamine, N-nitroso-N-phenyl	8070	5
N-Nitrosodipropylamine; N-Nitroso-N-dipropylamine; Di-n-propylnitrosamine	621-64-7	1-Propanamine, N-nitroso-N-propyl	8070	10
N-Nitrosomethylethalamine	10595-95-6	Ethanamine, N-methyl-N-nitroso-	8270	10
N-Nitrosopiperidine	100-75-4	Piperidine, 1-nitroso-	8270	20
N-Nitrosopyrrolidine	930-55-2	Pyrrolidine, 1-nitroso-	8270	40
5-Nitro-o-toluidine	99-55-8	Benzenamine, 2-methyl-5-nitro-	8270	10
Parathion	56-38-2	Phosphorothioic acid, 0,0-diethyl 0-(4-nitrophenyl).ester	8141	0.5
			8270	10
Pentachlorobenzene	608-93-5	Benzene, pentachloro-	8270	10
Pentachloronitrobenzene	82-68-8	Benzene, pentachloronitro-	8270	20
Pentachlorophenol	87-86-5	Phenol, pentachloro-	8040	5
			8270	50
Phenacetin	62-44-2	Acetamide, N-(4-ethoxyphenl)	8270	20

Phenanthrene	85-01-8	Phenanthrene	8100	200
			8270	10
Phenol	108-95-2	Phenol	8040	1
p-Phenylenediamine	106-50-3	1,4-Benzenediamine	8270	10
Phorate	298-02-2	Phosphorodithioic acid,0,0-diethyl S-{ethylthio)methyl} ester	8140	2
			8141	0.5
			8270	10
Polychlorinated biphenyls; PCBs; Aroclors	See Note 9	1,1-Biphenyl, chloro derivatives	8080	50
			8270	200
Pronamide	23950-58-5	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	8270	10
Propionitrile; Ethyl cyanide	107-12-0	Propanenitrile	8015	60
			8260	150
Pyrene	129-00-0	Pyrene	8100	200
			8270	10
Safrole	94-59-7	1.3-Benzodioxole, 5-(2-propenyl)	8270	10
Selenium	(Total)	Selenium	6010	750
			7740	20
			7741	20
Silver	(Total)	Silver	6010	70
			7760	100
			7761	10
Silvex 2,4,5-TP	93-72-1	Propanoic acid, 2-(2,4,5-trichlorophenoxy)-	8150	2
Styrene	100-42-5	Benzene, ethenyl-	8020	1
			8021	0.1
			8260	10
Sulfide	18496-25-8	Sulfide	9030	4000
2,4,5-T; 2,4,5-Trichlorophen oxyacetic acid	93-76-5	Acetic acid, (2,4,5-trichlorophenoxy)-	8150	2
1,2,4,5-Tetrachlorobenzene	95-94-3	Benzene, 1,2,4,5-tetrachloro-	8270	10
1,1,1,2-Tetrachloroethane	630-20-6	Ethene, 1,1,1,2-tetrachloro-	8010	5
			8021	0.05
			8260	5
1,1,2,2-Tetrachloroethane	79-34-5	Ethane, 1,1,2,2-tetrachloro-	8010	0.5
			8021	0.1

			8260	5
Tetrachloroethylene; Tetrachloroethene; Perchloroethylene	127-18-4	Ethane, tetrachloro-	8010	0.5
			8021	0.5
			8260	5
2,3,4,6-Tetrachlorophenol	58-90-2	Phenol, 2,3,4,6-tetrachloro-	8270	10
Thallium	(Total)	Thallium	6010	400
			7840	1000
			7841	10
Tin	(Total)	Tin	6010	40
Toluene	108-88-3	Benzene, methyl-	8020	2
			8021	0.1
			8260	5
o-Toluidine	95-53-4	Benzenamine, 2-mehtyl-	8270	10
Toxaphene	See Note 10	Toxaphene	8080	2
1,2,4-Trichlorobenzene	120-82-1	Benzene, 1,2,4-trichloro-	8021	0.3
			8120	0.5
			8260	10
			8270	10
1,1,1-Trichloroethane; Methylchloroform-	71-55-6	Ethane, 1,1,1-trichloro-	8010	0.3
			8021	0.3
			8260	5
1,1,2-Trichlorethane	79-00-5	Ethane, 1,1,2-trichloro-	8010	0.2
			8260	5
Trichloroethylene; Trichloroethene	79-01-6	Ethene, trichloro-	8010	1
			8021	0.2
			8260	5
Trichlorofluoro-methane; CFC-11	75-69-4	Methane, trichlorofluoro-	8010	10
			8021	0.3
			8260	5
2,4,5-Trichlorophenol	95-95-4	Phenol, 2,4,5-trichloro-	8270	10
2,4,6-Trichlorophenol	88-06-2	Phenol, 2,4,6-trichloro-	8040	5
			8270	10
1,2,3-Trichloropropane	96-18-4	Propane, 1,2,3-trichloro-	8010	10
			8021	5
			8260	15
0,0,0-Triethyl	126-68-1	Phosphorothioic acid,	8270	10

phosphorothioate		0,0,0-triethylester		
sym-Trinitrobenzene-	99-35-4	Benzene, 1,3,5-trinitro-	8270	10
Vanadium	(Total)	Vanadium	6010	80
			7910	2000
			7911	40
Vinyl acetate	108-05-4	Acetic acid, ethenyl ester	8260	50
Vinyl chloride;	75-01-4	Ethene, chloro-	8010	2
Chloroethene			8021	0.4
			8260	10
Xylene(total)	See Note 11	Benzene, dimethyl-	8020	5
			8021	0.2
			8260	5
Zinc	(Total)	Zinc	6010	20
			7950	50
			7951	0.5

Notes:

1. The regulatory requirements pertain only to the list of substances; the right hand columns (methods and PQL are given for informational purposes only. See also footnotes 5 and 6.

2. Common names are widely used in governmental regulations, scientific publications, and commerce; synonyms exist for many chemicals.

3. Chemical Abstract Service registry number. Where "Total" is entered, all species in the groundwater that contain this element are included.
4. CAS index are those used in the 9th Collective Index.

5. Suggested Methods refer to analytical procedure numbers used in EPA Report SW-846 "Test Methods for Evaluating Solid Waste," third edition, November 1986, as revised, December 1987. Analytical details can be found in SW-846 and in documentation on file at the Agency. Caution: The methods listed are representative SW-846 procedures and may not always be the most suitable method(s)for monitoring an analyte under the regulations.

6. Practical Quantitation Limits (PQLs) are the lowest concentrations of analytes in groundwaters that can be reliably determined within specified limits of precision and accuracy by the indicated methods under routine laboratory operating conditions. The PQL values listed are generally stated to one significant figure. PQLs are based on 5 ml samples for volatile organics and 1 liter samples for semivolatile organics. Caution: The PQL values in many cases are based only on a general estimate for the method and not on a determination for individual compounds; PQLS are

not part of the regulation.

7. This substance is often called Bis(2-chloroisopropyl) ether, the name Chemical Abstracts Service applies to its noncommercial isomer, Propane, 2,2"-oxybis[2-chloro-(CAS RN 39638-32-9).

8. Chlordane: This entry includes alpha-chlordane (CAS RN 5103-71-9), beta-chlordane (CAS RN 5103-74-2), gamma-chlordane (CAS RN 5566-34-7), and constituents of chlordane (CAS RN 57-74-9 and CAS RN 12789-03-6). PQL shown is for technical chlordane. PALS of specific isomers are about 20 ug/l by method 8270.

9. Polychlorinated biphenyls (CAS RN 1336-36-3); this category contains congener chemicals, including constituents of Aroclor 1016 (CAS RN 12676-74-11-2), Aroclor 1221 (CAS RN 11104-28-2), Aroclor 1232 (CAS RN 11141-16-5), Aroclor 1242 (CAS RN 53469-21-9), Aroclor 1248 (CAS RN 12672-29-6), Aroclor 1254 (CAS RN 11097-69-1), and Aroclor 1260 (CAS RN 11096-82-5). The PQL shown is an average value for PCB congeners.

10. Toxaphene: This entry includes congener chemicals contained in technical toxaphene (CAS RN 8001-35-2), i.e., chlorinated camphene.

11. Xylene (total): This entry includes o-xylene (CAS RN 96-47-6), m-xylene (CAS RN 108-38-3), p-xylene (CAS RN 106-42-3), and unspecified xylenes (dimethylbenzenes) (CAS RN 1330-20-7). PALS for method 8021 are 0.2 for o-xylene and 0.1 for m- or p-xylene. The PQL for m-xylene is 2.0 ug/L by method 8020 or 8260.

Attachment B- Organic Analysis Guidelines

Item #	Parameter Description (with Matrix, Method, and/or Speciation)	Alias	Desired Matrix MDL	Method ID	Method Detection Limit	Practical Quantitation Limit	Unit Price	Yearly Est. Quantity	Extended Amount
	INORGANICS								
	Physical/Wet Chemistry								
1	Acidity, Cold	Acidity, Total	1 mg/L					25	$0.00
1A	Acidity, Cold (Method: Alternate)	Acidity, Total						10	$0.00
2	Acidity, Hot (as CaCO3)		5 mg/L					4000	$0.00
2A	Acidity, Hot (Method: Alternate)							1000	$0.00
3	Acidity, Mineral (as CaCO3)		1 mg/L					25	$0.00
3A	Acidity, Mineral (Method: Alternate)							10	$0.00
4	Alkalinity (as CaCO3)		5 mg/L					4000	$0.00
4A	Alkalinity (Method: Alternate)							1000	$0.00
5	Alkalinity, Bicarbonate (as CaCO3)		1 mg/L					20	$0.00
6	Alkalinity, Carbonate (as CaCO3)		1 mg/L					20	$0.00
7	Alkalinity, Phenolphthalein		2 mg/L					20	$0.00
8	Bromide (High Level)							25	$0.00
9	Bromide (Low Level)							10	$0.00
10	Bromide (Solid)							10	$0.00
11	Chloride (High Level)							3000	$0.00
12	Chloride (Low Level)							100	$0.00
13	Chloride (Solid)							10	$0.00
14	Color (Method: ADMI)		10 ADMI value					25	$0.00
15	Color (Method: APHA)		5 color units					25	$0.00
16	Conductance, Specific	Lab Specific Conductance @ 25°C	3 uS/cm^2					1000	$0.00
17	Conductance, Specific (Method: Alternate)	Lab Specific Conductance @ 25°C						500	$0.00
18	Fluoride (High Level)							25	$0.00
19	Fluoride (Low Level)							10	$0.00
20	Fluoride (Solid)							10	$0.00
21	Oxygen Demand, Biological	BOD	1 mg/L					25	$0.00
21A	Oxygen Demand, Biological (Method: Alternate)	BOD						10	$0.00
22	Oxygen Demand, Carbonaceous Biological	CBOD	1 mg/L					25	$0.00
22A	Oxygen Demand, Carbonaceous Biological (Method: Alternate)	CBOD						10	$0.00
23	Oxygen Demand, Chemical	COD	0.5 mg/L					25	$0.00
23A	Oxygen Demand, Chemical (Method: Alternate)	COD						10	$0.00
24	pH	Lab pH	SU					4000	$0.00
25	pH (Solid)							10	$0.00
26	Solids, Percent		1%					25	$0.00
26A	Solids, Percent (Method: Alternate)							10	$0.00
27	Solids, Percent (Solid)		1%					10	$0.00
28	Solids, Total Dissolved	TDS; Filterable Residue						3000	$0.00
28A	Solids, Total Dissolved (Method: Alternate)	TDS; Filterable Residue						1000	$0.00
29	Solids, Settleable							30	$0.00
29A	Solids, Settleable (Method: Alternate)							30	$0.00
30	Solids, Total Suspended	TSS; Non-Filerable Residue						4000	$0.00
30A	Solids, Total Suspended (Method: Alternate)	TSS; Non-Filerable Residue						1000	$0.00
31	Solids, Total Volatile							25	$0.00
31A	Solids, Total Volatile (Method: Alternate)							10	$0.00
32	Solids, Total Volatile (Solid)							10	$0.00
33	Solids, Total	Total Residue						25	$0.00
33A	Solids, Total (Method: Alternate)	Total Residue						10	$0.00
34	Solids, Total (Solid)	Total Residue						10	$0.00
35	Sulfate	SO4	5 mg/L					4000	$0.00
35A	Sulfate (Method: Alternate)							1000	$0.00
36	Sulfate (Solid)	SO5						10	$0.00
37	Turbidity	Lab Turbidity						20	$0.00
37A	Turbidity (Method: Alternate)							10	$0.00
	Metals								
38	Aluminum (High Level)	Al						4000	$0.00
39	Aluminum (Low Level)	Al						100	$0.00
40	Aluminum (Solid)	Al	40 mg/Kg					10	$0.00
41	Barium (High Level)	Ba						20	$0.00
42	Barium (Low Level)	Ba						10	$0.00
43	Barium (Solid)	Ba	40 mg/Kg					10	$0.00
44	Beryllium (High Level)	Be						20	$0.00
45	Beryllium (Low Level)	Be						10	$0.00

46	Beryllium (Solid)	Be	1 mg/Kg					10	$0.00
47	Cadmium (Low Level)	Cd						200	$0.00
48	Cadmium (High Level)	Cd						20	$0.00
49	Cadmium (Solid)	Cd	1 mg/Kg					10	$0.00
50	Calcium (High Level)	Ca						500	$0.00
51	Calcium (Low Level)	Ca						20	$0.00
52	Calcium (Solid)	Ca	1000 mg/Kg					10	$0.00
53	Chromium (High Level)	Cr						20	$0.00
54	Chromium (Low Level)	Cr						10	$0.00
55	Chromium (Solid)	Cr	2 mg/Kg					10	$0.00
56	Chromium, Hexavalent (High Level)	Chromium VI or Cr-VI						200	$0.00
57	Chromium, Hexavalent (Low Level)	Chromium VI or Cr-VI						10	$0.00
58	Chromium, Hexavalent (Solid)	Chromium VI or Cr-VI	0.017 mg/kg					10	$0.00
59	Cobalt (High Level)	Co						20	$0.00
60	Cobalt (Low Level)	Co						10	$0.00
61	Cobalt (Solid)	Co	10 mg/Kg					10	$0.00
62	Copper (High Level)	Cu						200	$0.00
63	Copper (Low Level)	Cu						20	$0.00
64	Copper (Solid)	Cu	5 mg/Kg					10	$0.00
65	Hardness							500	$0.00
66	Hardness (Method: Alternate)							100	$0.00
67	Hardness (Solid)							10	$0.00
68	Iron (High Level)	Fe						3000	$0.00
69	Iron (Low Level)	Fe						100	$0.00
70	Iron (Solid)	Fe	20 mg/Kg					10	$0.00
71	Iron, Ferrous (Method: SM)	Fe2+						25	$0.00
72	Iron, Ferrous (Low Level)	Fe2+						10	$0.00
73	Iron, Ferric	Fe3+						50	$0.00
74	Lead (Low Level)	Pb						200	$0.00
75	Lead (High Level)	Pb						10	$0.00
76	Lead (Solid)	Pb	1 mg/Kg					10	$0.00
77	Magnesium (High Level)	Mg						500	$0.00
78	Magnesium (Low Level)	Mg						20	$0.00
79	Magnesium (Solid)	Mg	1000 mg/Kg					10	$0.00
80	Manganese (High Level)	Mn						3000	$0.00
81	Manganese (Low Level)	Mn						100	$0.00
82	Manganese (Solid)	Mn	3 mg/Kg					10	$0.00
83	Mercury (High Level MDL)	Hg	0.0001 mg/L					200	$0.00
84	Mercury (Low Level MDL; Method SM 1631E or EPA 245.7)	Hg	0.2 ng/L					200	$0.00
85	Mercury (Solid-Low Level MDL; Method: EPA 245.5)	Hg	0.1 mg/kg					10	$0.00
86	Molybdenum (High Level)	Mo						20	$0.00
87	Molybdenum (Low Level)	Mo						10	$0.00
88	Molybdenum (Solid)	Mo	8 mg/Kg					10	$0.00
89	Nickel (High Level)	Ni						200	$0.00
90	Nickel (Low Level)	Ni						20	$0.00
91	Nickel (Solid)	Ni	8 mg/Kg					10	$0.00
92	Potassium (High Level)	K						500	$0.00
93	Potassium (Low Level)	K						20	$0.00
94	Potassium (Solid)	K	1000 mg/Kg					10	$0.00
95	Silver (Low Level)	Ag						200	$0.00
96	Silver (High Level)	Ag						20	$0.00
97	Silver (Solid)	Ag	2 mg/Kg					10	$0.00
98	Sodium (High Level)	Na						500	$0.00
99	Sodium (Low Level)	Na						20	$0.00
100	Sodium (Solid)	Na	1000 mg/Kg					10	$0.00
101	Strontium (High Level)	Sr						200	$0.00
102	Strontium (Low Level)	Sr						20	$0.00
103	Thallium (High Level)	Th						20	$0.00
104	Thallium (Low Level)	Th						10	$0.00
105	Thallium (Solid)	Th	2 mg/Kg					10	$0.00
106	Tin (High Level)	Sn						20	$0.00
107	Tin (Low Level)	Sn						10	$0.00
108	Tin (Solid)	Sn						10	$0.00
109	Vanadium (High Level MDL)	Va						20	$0.00
110	Vanadium (Low Level MDL)	Va						10	$0.00
111	Vanadium (Solid)	Va	4 mg/Kg					10	$0.00
112	Zinc (High Level)	Zn						200	$0.00
113	Zinc (Low Level)	Zn						20	$0.00
114	Zinc (Solid)	Zn	2 mg/Kg					10	$0.00
	Metals Prep								

115	Metals Prep Cost (Methods: 200.7, 200.8. 6010, 6020, 3114)		N/A		N/A	N/A		2000	$0.00
116	Metals Prep Cost (Solid-Methods: 200.7, 200.8. 6010, 6020, 3114)		N/A		N/A	N/A		100	$0.00
	Non-Metals								
117	Antimony (High Level)	Sb						20	$0.00
118	Antimony (Low Level)	Sb						10	$0.00
119	Antimony (Solid)	Sb	12 mg/Kg					10	$0.00
120	Arsenic (High Level)	As						20	$0.00
121	Arsenic (Low Level)	As						10	$0.00
122	Arsenic (Solid)	As	2 mg/Kg					10	$0.00
123	Boron (High Level)	B						20	$0.00
124	Boron (Low Level)	B						10	$0.00
125	Boron (Solid)	B						10	$0.00
126	Chlorine, Total Residual	Free + Combined/Available Chlorine						20	$0.00
127	Selenium (High Level)	Se						500	$0.00
128	Selenium (Low Level)	Se						20	$0.00
129	Selenium (Solid)	Se	1 mg/Kg					10	$0.00
130	Silicon	Si						20	$0.00
131	Silica	Silicon Dioxide (SiO2)						25	$0.00
132	Silica (Solid)	Silicon Dioxide (SiO2)	20 mg/Kg					20	$0.00
133	Sulfite	SO3	2 mg/L					15	$0.00
134	Sulfide	S2-	1 mg/L					20	$0.00
134A	Sulfide (Method: Alternate)	S2-						10	$0.00
	Nutrients								
135	Nitrogen, Ammonia (as N)		0.02 mg/L					50	$0.00
135A	Nitrogen, Ammonia (as N) (Method: Alternate)							10	$0.00
136	Nitrogen, Ammonia (as N) (Solid)							10	$0.00
136A	Nitrogen, Ammonia (as N) (Solid-Method: Alternate)							10	$0.00
137	Nitrogen, Organic (as N)		0.5 mg/L					50	$0.00
137A	Nitrogen, Organic (as N) (Method: Alternate)							10	$0.00
138	Nitrogen, Total Kjeldahl (as N)	TKN; Organic Nitrogen + Ammonia	0.05 mg/L					400	$0.00
138A	Nitrogen, Total Kjeldahl (as N) (Method: Alternate)	TKN; Organic Nitrogen + Ammonia						100	$0.00
139	Nitrogen, Total Kjeldahl (as N) (Solid)	TKN; Organic Nitrogen + Ammonia						10	$0.00
139A	Nitrogen, Total Kjeldahl (as N) (Solid-Method: Alternate)	TKN; Organic Nitrogen + Ammonia						10	$0.00
140	Nitrogen, Nitrate (NO3 as N)		0.01 mg/L					50	$0.00
140A	Nitrogen, Nitrate (NO3 as N) (Method: Alternate)							10	$0.00
141	Nitrogen, Nitrite (NO2 as N)		0.01 mg/L					50	$0.00
141A	Nitrogen, Nitrite (NO2 as N) (Method: Alternate)							10	$0.00
142	Nitrogen, Nitrite (NO2 as N) (Solid)							10	$0.00
142A	Nitrogen, Nitrite (NO2 as N) (Solid-Method: Alternate)							10	$0.00
143	Nitrogen, Nitrate + Nitrite (NO3+NO2 as N)	Nitrate-Nitrite-Nitrogen	0.01 mg/L					400	$0.00
143A	Nitrogen, Nitrate + Nitrite (NO3+NO2 as N) (Method: Alternate)	Nitrate-Nitrite-Nitrogen						100	$0.00
144	Nitrogen, Nitrate + Nitrite (NO3+NO2 as N) (Solid)	Nitrate-Nitrite-Nitrogen						10	$0.00
144A	Nitrogen, Nitrate + Nitrite (NO3+NO2 as N) (Solid-Method: Alternate)	Nitrate-Nitrite-Nitrogen						10	$0.00
145	Phosphorus, Orthophosphate (as P)	Inorganic Phosphorus	0.01 mg/L					50	$0.00
145A	Phosphorus, Orthophosphate (as P) (Method: Alternate)	Inorganic Phosphorus						10	$0.00
146	Phosphorus, Total (Mixed Forms; P as P)		0.003 mg/L					400	$0.00
146A	Phosphorus, Total (Mixed Forms; P as P) (Method: Alternate)							100	$0.00
147	Phosphorus, Total (Mixed Forms; P as P) (Solid)							10	$0.00
147A	Phosphorus, Total (Mixed Forms; P as P) (Solid-Method: Alternate)							10	$0.00
148	Phosphorus, Total Phosphate (Mixed Forms; P as PO4)	Phosphate-Phosphorus	0.01 mg/L					50	$0.00
148A	Phosphorus, Total Phosphate (Mixed Forms; P as PO4) (Method: Alternate)	Phosphate-Phosphorus						10	$0.00
149	Phosphorus, Total Phosphate (Mixed Forms; P as PO4) (Solid)	Phosphate-Phosphorus						10	$0.00
149A	Phosphorus, Total Phosphate (Mixed Forms; P as PO4) (Solid-Method: Alternate)	Phosphate-Phosphorus						10	$0.00
	Microbiological								
150	Enterococci	Enterococcus						100	$0.00

151	Escherichia coli (Method: MF)		1 col/100 mL					25	$0.00
151A	Escherichia coli (Method: Alternate)							10	$0.00
152	Coliform, Fecal (Method: MF)		4 col/100 mL					4000	$0.00
153	Coliform, Fecal (Method: MPN)		4 col/100 mL					100	$0.00
153A	Coliform, Fecal (Method: Alternate MPN)							50	$0.00
154	Coliform, Fecal (Solid-Method: MPN)							25	$0.00
155	Coliform, Total (Method: MF)							20	$0.00
156	Coliform, Total (Method: MPN)							20	$0.00
157	Fecal Streptococci		4 col/100 mL					10	$0.00
157A	Fecal Streptococci (Method: Alternate)							10	$0.00
158	Fecal Streptococci (Solid)							10	$0.00
159	Iron Bacteria							20	$0.00
160	Sulfate Reducing Bacteria							20	$0.00
	Chlorophyll/Biological								
161	Chlorophyll a		0.5 mg/L					100	$0.00
161A	Chlorophyll a (Method: Alternate)							20	$0.00
162	Chlorophyll: Trichormatic and Monochromatic Chlorophylls (SM-10200-H)	Total Algal Biomass, Uncorrected Chlorophyll a, b, & c, Corrected Chlorophyll a, and Pheophytin	2 µg/l or mg/m3					100	$0.00
	Chemical/Carbon								
163	Carbon, Total Organic (as C)	TOC	1 mg/L					25	$0.00
163A	Carbon, Total Organic (as C) (Method: Alternate)	TOC						10	$0.00
164	Carbon, Dissolved Organic (as C)	DOC	1 mg/L					25	$0.00
164A	Carbon, Dissolved Organic (as C) (Method: Alternate)	DOC						10	$0.00
165	Bicarbonate (Method: SM)							25	$0.00
165A	Bicarbonate (Method: Alternate)							10	$0.00
166	Carbon, Inorganic (as C)		0.1 mg/L					10	$0.00
167	Oil-Grease	Total recoverable oil and grease	2 mg/L					25	$0.00
167A	Oil-Grease (Method: Alternate)	Total recoverable oil and grease						10	$0.00
167	Oil-Grease (Solid)	Total recoverable oil and grease						10	$0.00
168	MBAS (Surfactants/Detergents)		0.05 mg/L					25	$0.00
168A	MBAS (Surfactants/Detergents) (Method: Alternate)							10	$0.00
	Radiochemical								
169	Radioactivity, Gross Alpha							20	$0.00
170	Radioactivity, Gross Alpha (Solid)							10	$0.00
171	Radioactivity, Gross Beta							20	$0.00
172	Radioactivity, Gross Beta (Solid)							10	$0.00
173	Ra-226	Radium 226						20	$0.00
174	Ra-226 (Solid)	Radium 226						10	$0.00
175	Ra-228	Radium 228						20	$0.00
176	Ra-228 (Solid)	Radium 228						10	$0.00
177	Total Uranium							20	$0.00
178	Total Uranium (Solid)							10	$0.00
179	Sr-89	Strontium 89						20	$0.00
180	Sr-89 (Solid)	Strontium 89						10	$0.00
181	Sr-90	Strontium 90						20	$0.00
182	Sr-90 (Solid)	Strontium 90						10	$0.00
183	Tritium (H3)							20	$0.00
184	Tritium (H3) (Solid)							10	$0.00
185	Gamma (Cs-137)	Cesium 137						20	$0.00
186	Gamma (Cs-137) (Solid)	Cesium 137						10	$0.00
187	Radon							20	$0.00
188	Radon (Solid)							10	$0.00
	Whole Effluent Toxicity Testing								
189	Ceriodaphnia, Acute		N/A		N/A	N/A		20	$0.00
190	Ceriodaphnia, Chronic		N/A		N/A	N/A		20	$0.00
191	Daphnia pulex/D. magna, Acute		N/A		N/A	N/A		20	$0.00
192	Pimephales promelas, Acute		N/A		N/A	N/A		20	$0.00
193	Pimephales promelas, Chronic (Survival and Growth)		N/A		N/A	N/A		20	$0.00
	ORGANICS								
	Select Individual Parameter Testing								
194	Acrylamide (Method 8032A)							10	$0.00
195	Cyanide, Amenable		0.005 mg/L					25	$0.00
195A	Cyanide, Amenable (Method: Alternate)							10	$0.00

196	Cyanide, Free (Method: ASTM)		0.005 mg/L					25	$0.00
196A	Cyanide, Free (Method: Alternate)							10	$0.00
197	Cyanide, Weak Acid Dissociable	WAD Cyanide	0.005 mg/L					20	$0.00
198	Cyanide, Total	Strong Acid Dissociable (SAD) Cyanide	0.005 mg/L					25	$0.00
198A	Cyanide, Total (Method: Alternate)	Strong Acid Dissociable (SAD) Cyanide						10	$0.00
199	Cyanide, Total (Solid)	Strong Acid Dissociable (SAD) Cyanide						10	$0.00
200	Phenolics	Total Phenolic Materials	0.01 mg/L					25	$0.00
200A	Phenolics (Method: Alternate)	Total Phenolic Materials						10	$0.00
201	Phenolics (Solid)	Total Phenolic Materials						10	$0.00
	Method 601, Purgeable Halocarbons								
202	Single compound analyis cost		See Attachment B	N/A	N/A	N/A		12	$0.00
203	Up to 10 compounds then complete list cost applies			N/A	N/A	N/A		12	$0.00
204	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 602, Purgeable Aromatics								
205	Single compound analysis cost		Attachment B	N/A	N/A	N/A		15	$0.00
206	Complete list cost			N/A	N/A	N/A		15	$0.00
	Method 603, Acrolein & Acrylonitrile								
207	Single compound analysis cost		Attachment B	N/A	N/A	N/A		15	$0.00
208	Complete list cost			N/A	N/A	N/A		15	$0.00
	Method 604, Phenols								
209	Single compound analysis cost		See Attachment B	N/A	N/A	N/A		20	$0.00
210	Up to 10 compounds then complete list cost applies			N/A	N/A	N/A		20	$0.00
211	Complete list cost			N/A	N/A	N/A		20	$0.00
	Method 605, Benzidines								
212	Single compound analysis cost		Attachment B	N/A	N/A	N/A		12	$0.00
213	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 606, Phthalate Esters								
214	Single compound analysis cost		Attachment B	N/A	N/A	N/A		12	$0.00
215	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 607, Nitrosamines								
216	Single compound analysis cost		Attachment B	N/A	N/A	N/A		12	$0.00
217	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 608, Organochlorine Pesticides & PCBs								
218	Single compound analysis cost		See Attachment B	N/A	N/A	N/A		15	$0.00
219	Up to 10 compounds then complete list cost applies			N/A	N/A	N/A		15	$0.00
220	Complete list cost			N/A	N/A	N/A		15	$0.00
	Method 609, Nitroaromatics & Isophorone								
221	Single compound analysis cost		Attachment B	N/A	N/A	N/A		12	$0.00
222	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 610, Polynuclear Aromatic Hydrocarbons								
223	Single compound analysis cost		See Attachment B	N/A	N/A	N/A		20	$0.00
224	Up to 10 compounds then complete list cost applies			N/A	N/A	N/A		20	$0.00
225	Complete list cost			N/A	N/A	N/A		20	$0.00
	Method 611, Halocthers								
226	Single compound analysis cost		Attachment B	N/A	N/A	N/A		12	$0.00
227	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 612, Chlorinated hydrocarbons								
228	Single compound analysis cost		Attachment B	N/A	N/A	N/A		12	$0.00
229	Complete list cost			N/A	N/A	N/A		12	$0.00
	Method 613, 2,3,7,8 Tetrachloridibenzo-P-dioxin								
230	Single compound analysis cost		Attachment B	N/A	N/A	N/A		12	$0.00
	Method 613, Tetra-through Octa-Chlorinated Dibenzo-P-dioxins (CDDs) & Dibenzofurans (CDFs)								

231	Complete list cost	Attachment B	N/A	N/A	N/A		12	$0.00
	Method 624, Purgeables							
232	Single compound analysis cost	See Attachment B	N/A	N/A	N/A		20	$0.00
232	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		20	$0.00
233	Complete list cost		N/A	N/A	N/A		20	$0.00
	Method 625, Base/Neutrals Extractables							
234	Single compound analysis cost	See Attachment B	N/A	N/A	N/A		12	$0.00
235	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
236	Complete list cost		N/A	N/A	N/A		12	$0.00
	Method 625, Acid Extractables							
237	Single compound analysis cost	See Attachment B	N/A	N/A	N/A		12	$0.00
238	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
239	Complete list cost		N/A	N/A	N/A		12	$0.00
	Method 8015B							
240	Single compound analysis cost	See Attachment B	N/A	N/A	N/A		20	$0.00
241	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		20	$0.00
242	Complete list cost		N/A	N/A	N/A		20	$0.00
	Method 8041, Phenols by GC							
243	Single compound analysis cost	See Attachment B	N/A	N/A	N/A		12	$0.00
244	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
245	Complete list cost		N/A	N/A	N/A		12	$0.00
	Method 8100, Polynuclear Aromatic Hydrocarbons							
246	Single compound analysis cost	See Attachment B	N/A	N/A	N/A		20	$0.00
247	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		20	$0.00
248	Complete list cost		N/A	N/A	N/A		20	$0.00
	Method 8121, Chlorinated Hydrocarbons							
249	Single compound analysis cost	See Attachment B	N/A	N/A	N/A		12	$0.00
250	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
251	Complete list cost		N/A	N/A	N/A		12	$0.00
	Method 8151A, Chlorinated Herbicides							
252	Single compound analysis cost	See Attachment B	N/A	N/A	N/A		12	$0.00
253	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
254	Complete list cost		N/A	N/A	N/A		12	$0.00
	Method 8260							
255	Search for additional tentatively identified compounds	See Attachment B	N/A	N/A	N/A		15	$0.00
256	Single compound analysis cost		N/A	N/A	N/A		15	$0.00
257	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		15	$0.00
258	Complete list cost		N/A	N/A	N/A		15	$0.00
259	GC-MS Scan per TIC, report TICS that are detected at 10% of the area of the nearest internal standard		N/A	N/A	N/A		15	$0.00
	Method 8270							
260	Search for additional tentatively identified compounds	See Attachment B	N/A	N/A	N/A		15	$0.00
261	Single compound analysis cost		N/A	N/A	N/A		15	$0.00
262	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		15	$0.00
263	Complete list cost		N/A	N/A	N/A		15	$0.00
264	GC-MS Scan per TIC, report TICS that are detected at 10% of the area of the nearest internal standard		N/A	N/A	N/A		15	$0.00
	Method 8310, Polynuclear Aromatic Hydrocarbons by HPLC							
265	Single compound analysis cost	See Attachment B	N/A	N/A	N/A		15	$0.00
266	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		15	$0.00
267	Complete list cost		N/A	N/A	N/A		15	$0.00
	TCLP RCRA Pesticides & Herbicides EPA 1311/SW846							
268	Single compound analysis cost	Attachment B	N/A	N/A	N/A		12	$0.00
269	Complete list cost		N/A	N/A	N/A		12	$0.00
	TCLP RCRA Metals EPA 1311/SW846							
270	Single compound analysis cost	Attachment B	N/A	N/A	N/A		24	$0.00
271	Complete list cost		N/A	N/A	N/A		24	$0.00
	TCLP Volatile Organics 8260 with 1311 extraction							
272	Single compound analysis cost	See	N/A	N/A	N/A		20	$0.00

273	Up to 10 compounds then complete list cost applies	Attachment B	N/A	N/A	N/A		20	$0.00
274	Complete list cost		N/A	N/A	N/A		20	$0.00
	TCLP Semi-Volatile Organics 8720 with 1311 extraction							
275	Single compound analysis cost	See Attachment B	N/A	N/A	N/A		12	$0.00
276	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
277	Complete list cost		N/A	N/A	N/A		12	$0.00
	RCRA General Chemistry							
278	Single compound analysis cost	Attachments A & B	N/A	N/A	N/A		12	$0.00
279	Complete list cost		N/A	N/A	N/A		12	$0.00
	Metals/Cyanide Target Analyte List (TAL)-Low level option EPA 200.7/SW 7470/7471							
280	Single compound analysis cost	Attachments A & B	N/A	N/A	N/A		12	$0.00
281	Complete list cost		N/A	N/A	N/A		12	$0.00
	Quick Packages							
282	**8081A Organochlorine Pesticides GC**	See Attachment B	N/A	N/A	N/A		10	$0.00
283	**8082 PCBs by GC**		N/A	N/A	N/A		10	$0.00
284	**8061A Phathalate Esters by GC/EDC**		N/A	N/A	N/A		10	$0.00
285	**8270 PAH by GC/MS**		N/A	N/A	N/A		10	$0.00
286	**PAH by GC/MS - 8270 SIM**		N/A	N/A	N/A		20	$0.00
287	**8260B Volatile Organics by GC/MS**		N/A	N/A	N/A		20	$0.00
288	**8270C Semivolatile Organics by GC/MS**		N/A	N/A	N/A		20	$0.00
289	**Semivolatile Organics by GC/MS - 8270 SIM**		N/A	N/A	N/A		20	$0.00
290	**BTEX (8021B/8260B)**		N/A	N/A	N/A		30	$0.00
291	**BTEX (8021B)/MTBE (8021B)**		N/A	N/A	N/A		30	$0.00
292	**BTEX (8021B)/GRO (8015B)**		N/A	N/A	N/A		30	$0.00
293	**BTEX (8021B)/DRO/GRO (8015B)**		N/A	N/A	N/A		30	$0.00
294	**BTEX (8021B)/GRO (8015B)/MTBE (8021B)**		N/A	N/A	N/A		30	$0.00
295	**BTEX (8021B)/DRO/GRO (8015B)/MTBE (8021B)**		N/A	N/A	N/A		30	$0.00
296	**BTEX/MTBE/TBA/EDB/EDC by 8260B (SIM)**		N/A	N/A	N/A		30	$0.00
297	**TPH-ORO (8015B)**		N/A	N/A	N/A		10	$0.00
298	**TPH-GRO (8015B)**		N/A	N/A	N/A		10	$0.00
299	**TPH-DRO (8015B)**		N/A	N/A	N/A		10	$0.00
300	**TPH-DRO/ORO (8015B)**		N/A	N/A	N/A		10	$0.00
301	**TPH-GRO/DRO (8015B)**		N/A	N/A	N/A		10	$0.00
302	**TPH-GRO/DRO/ORO (8015B)**		N/A	N/A	N/A		20	$0.00
303	**USED OIL FUEL (VARIOUS-See Attachment B)**		N/A	N/A	N/A		10	$0.00
	PHASE I DETECTION MONITORING (Groundwater only)							
304	Search for additional tentatively identified compounds	See Attachment B	N/A	N/A	N/A		12	$0.00
305	Single compound analysis cost		N/A	N/A	N/A		12	$0.00
306	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
307	Total cost Phase I complete list		N/A	N/A	N/A		12	$0.00
	Priority Pollutants by SW-846 Protocol Analysis							
308	Priority Pollutant Volatiles	See Attachment B	N/A	N/A	N/A		12	$0.00
309	Priority Pollutant Semi-Volatiles		N/A	N/A	N/A		12	$0.00
310	Priority Pollutant Pesticides/PCBs		N/A	N/A	N/A		12	$0.00
311	Priority Pollutant Inorganics		N/A	N/A	N/A		12	$0.00
312	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo-p-Dioxin) quoted at time of analysis		N/A	N/A	N/A		12	$0.00
	Total Toxic Organics (TTO) by SW-846 Protocol Analysis							
313	TTO Volatiles	See Attachment B	N/A	N/A	N/A		12	$0.00
314	TTO Semi-Volatiles		N/A	N/A	N/A		12	$0.00
315	TTO Pesticides/PCBs		N/A	N/A	N/A		12	$0.00
316	TTO Inorganics		N/A	N/A	N/A		12	$0.00
317	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo-p-Dioxin) quoted at time of analysis		N/A	N/A	N/A		12	$0.00
	Target Compounds List (TCL) Analysis							
318	TCL Volatiles	See Attachment B	N/A	N/A	N/A		12	$0.00
319	TCL Semi-Volatiles		N/A	N/A	N/A		12	$0.00
320	TCL Pesticides/PCBs		N/A	N/A	N/A		12	$0.00
321	TCL Inorganics		N/A	N/A	N/A		12	$0.00
322	Total Package Cost (less dioxins) Dioxin (2,3,7,8-Tetrachlorodlbenzo-p-Dioxin) quoted at time of analysis		N/A	N/A	N/A		12	$0.00
	Hazardous Waste Characterizations Analysis							
323	Reacitivity	See	N/A	N/A	N/A		12	$0.00
324	Ignitability		N/A	N/A	N/A		12	$0.00
325	Corrosivity (pH)		N/A	N/A	N/A		12	$0.00

326	Corrosivity (NACE)	**Attachment B**	N/A	N/A	N/A		12	$0.00
327	BTU		N/A	N/A	N/A		12	$0.00
328	TCLP		N/A	N/A	N/A		12	$0.00
329	Total Package Cost		N/A	N/A	N/A		12	$0.00
	TCLP Extractions Analysis							
330	Percent Solids (metals, semi-volatiles, volatiles, pesticides, herbicides)	**See Attachment B**	N/A	N/A	N/A		15	$0.00
331	Characterization Extraction (metals, semi-volatiles, pesticides, herbicides)		N/A	N/A	N/A		15	$0.00
332	Zero Headspace Extraction (violatiles)		N/A	N/A	N/A		15	$0.00
	TCLP Analysis - Analysis							
333	TCLP Metals quantified to 10% of TCLP levels	**See Attachment B**	N/A	N/A	N/A		20	$0.00
334	TCLP-Mercury		N/A	N/A	N/A		20	$0.00
335	TCLP-Individual Metal		N/A	N/A	N/A		20	$0.00
336	Additional Metals (Flame, Furnace, ICP, ICP-MS)		N/A	N/A	N/A		20	$0.00
337	Analysis by Standard Method of Addition (per metal)		N/A	N/A	N/A		20	$0.00
338	TCLP Pb characterization (includes extraction fees)		N/A	N/A	N/A		20	$0.00
339	TCLP Volatile Organics		N/A	N/A	N/A		20	$0.00
340	TCLP Semi-Volatile Organics		N/A	N/A	N/A		20	$0.00
341	TCLP Persticides/Herbicides		N/A	N/A	N/A		20	$0.00
342	TCLP Pesticides		N/A	N/A	N/A		20	$0.00
343	TCLP Herbicides		N/A	N/A	N/A		20	$0.00
344	Full TCLP		N/A	N/A	N/A		20	$0.00
	NOTE: Multiphasic samples will be subject to additional extraction and analytical fee							
	PHASE II ASSESSMENT MONITORING (Groundwater only)							
345	Search for additional tentatively identified compounds	**See Attachment B**	N/A	N/A	N/A		12	$0.00
346	Single compound analysis cost		N/A	N/A	N/A		12	$0.00
347	Up to 10 compounds then complete list cost applies		N/A	N/A	N/A		12	$0.00
348	Total cost Phase II complete list		N/A	N/A	N/A		12	$0.00
349	**Encore Sampling Kits (each)**		N/A	N/A	N/A		12	$0.00
350	**Terra Core Sampling Kits (each)**		N/A	N/A	N/A		12	$0.00
	Collection of samples - costs associated with sample pickup from the following locations:							
351	Bridgeport Office, 101 Cambridge Place, Bridgeport, WV 26330						24	$0.00
352	Charleston Office, 601 57th Street S.E., Charleston, WV 25304						24	$0.00
353	Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554						24	$0.00
354	Logan Office, 1101 George Kostas Dr., Logan, 25601						24	$0.00
355	Fayetteville Office, 1159 Nick Rahall Greenway, Fayetteville, WV 25840						24	$0.00
356	Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010						24	$0.00
357	Philippi Office, 47 School Street, Philippi, WV 26416						24	$0.00
358	Romney Office, 22288 Northwestern Pike, Romney, WV 26757						24	$0.00
359	Other locations as Cost Per Mile to pickup site						24	$0.00
360	24 Hour Turn-Around Rush Order fee, per sample						10	$0.00
361	48 Hour Turn-Around Rush Order fee, per sample						10	$0.00
362	72 Hour Turn-Around Rush Order fee, per sample						10	$0.00
	TOTAL							**$0.00**

Quantities listed on the bid schedule are for bid evaluation purposes only are are not a guarantee of quantities to be ordered over the life of the contract. Actual quantities may be more or less than those stated on this schedule. Prices must be entered as dollars and cents.

Company:_____

Name:_____

Signature:_____ Date:

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (*W. Va. Code* §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Sturm Environmental Services

Authorized Signature: _____ Date: 1/14/21

State of WV

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 14th day of January, 20 21.

My Commission expires November 26th, 20 26.

AFFIX SEAL HERE

OFFICIAL SEAL
Victoria L. Hoops
Notary Public
State of West Virginia
My Commission Expires
November 26, 2025
418 HOOD AVE
SHINNSTON, WV 26431

NOTARY PUBLIC Victoria L. Hoops

West Virginia Ethics Commission

Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of $1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

"Interested party" or *"Interested parties"* means:

(1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
(2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
(3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of W. Va. Code § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ethics@wv.gov; website: www.ethics.wv.gov.

Revised June 8, 2018

West Virginia Ethics Commission

Disclosure of Interested Parties to Contracts

(Required by *W. Va. Code* § 6D-1-2)

Name of Contracting Business Entity: _____ **Address:** _____

_____

Name of Authorized Agent: _____ **Address:** _____

Contract Number: _____ **Contract Description:** _____

Governmental agency awarding contract: _____

☐ **Check here if this is a Supplemental Disclosure**

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below *(attach additional pages if necessary)*:

1. **Subcontractors or other entities performing work or service under the Contract**
   ☐ Check here if none, otherwise list entity/individual names below.

2. **Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**
   ☐ Check here if none, otherwise list entity/individual names below.

3. **Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**
   ☐ Check here if none, otherwise list entity/individual names below.

Signature: _____ Date Signed: _____

Notary Verification

State of _____, County of _____:

I, _____, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this _____ day of _____, _____.

_____
Notary Public's Signature

To be completed by State Agency:
Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____

Revised June 8, 2018