ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4004AB		100	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4005			Each		
OPTION	Organochlorine Pesticides Technique: C/ECD; Method: EPA 608, 8081 (SW 846)				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4005AA		20	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4005AB		100	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4006			Each		
OPTION	Polychlorinate Biphenols (PCB's) Technique: GC/ECD; Method: EPA 608, 8082 (SW 846)				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4006AA		20	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4006AB		100	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4007		10	Each		
OPTION	TCLP/SPLP Zero Head Space Extraction (non-vol.). Method: EPA 1311/1312; Analysis: Soil Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4008			Each		
OPTION	Metals Technique: ICP; Method: EPA 200/6010A. (Method must meet required detect limits and include digestion - typically Sb, As, Cd, Cu, Pb, Hg Ni, Ag, Zn shall be run on all samples but list may vary. Atomic Adsorption (AA) method can be replaced by 6020 ICP/MS (except Hg). Digestions shall be included with cost of analyses (SW 846) 3005, 3010, 3020, 3040, 3050 microwave digestions.)				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4008AA		20	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4008AB		100	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4009			Each		
OPTION	Metals Method: AA Flame/AA Furnace 7000. (Method must meet required detect limits and include digestion - typically Sb, As, Cd, Cu, Pb, Hg Ni, Ag, Zn will be run on all samples but list may vary. Atomic Adsorption (AA) method can be replaced by 6020 ICP/MS (except Hg). Digestions will be included with cost of analyses (SW 846) 3005, 3010, 3020, 3040, 3050 microwave digestions.)				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4009AA		20	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4009AB		100	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4010			Each		
OPTION	Metals Technique: ICP/MS; Method: EPA 6020. (Method must meet required detect limits and include digestion - typically Sb, As, Cd, Cu, Pb, Hg Ni, Ag, Zn will be run on all samples but list may vary. Atomic Adsorption (AA) method can be replaced by 6020 ICP/MS (except Hg). Digestions will be included with cost of analyses (SW 846) 3005, 3010, 3020, 3040, 3050 microwave digestions.)				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4010AA		20	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4010AB		100	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4011			Each		
OPTION	Mercury Technique: AA Cold Vapor; Method: EPA 245, 7470 or 7471				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4011AA		20	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4011AB		100	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4012			Each		
OPTION	Cyanide Technique: UV/VIS; Method: EPA 335, 9010 or 9012				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4012AA		5	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4012AB		5	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4013			Each		
OPTION	Total Organic Carbon (TOC) Method: EPA 415, EPA (SW 846) 9060				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4013AA		20	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4013AB		125	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4014		100	Each		
OPTION	Total Organic Carbon (TOC) Method: PSEP; Analysis: Soil/Sediment.				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4015		50	Each		
OPTION	Organotin (TBT and breakdown products) (including extraction) Pore Water (Krone); Analysis: Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4016		50	Each		
OPTION	Organotin (TBT and breakdown products) (including extraction) Total-bulk; Analysis: Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4017			Each		
OPTION	Dioxin/Furan Method: EPA 8290 (SW 846)				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4017AA		10	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4017AB		10	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4018			Each		
OPTION	Physical Analysis Suite Method: ASTM D2487; Analysis: Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4018AA		200	Each		
OPTION	All Physical analysis listed Particle size Hydrometer Particle shape Void ratio Dry bulk density Volatile solids				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4018AB		200	Each		
OPTION	Particle size (only)				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4019		200	Each		
OPTION	Moisture content				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4020			Each		
OPTION	Chlorinated herbicides Method: EPA 8151 (SW 846)				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4020AA		5	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4020AB		15	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4021			Each		
OPTION	Organophosphorous herbicides Technique: GC-MS; Method: EPA 8141 Mod (SW 846)				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4021AA		10	Each		
OPTION	Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4021AB		10	Each		
OPTION	Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4022		5	Each		
OPTION	Elutriate Test Method: USACE Tech Report d-86-4; Analysis: Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4023		10	Each		
OPTION	Total Petroleum Hydrocarbon/Hydrocarbon Hydrocarbon/Hydrocarbon I. D (C-7 to C-30); Analysis: Soil/Sediment				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4024		20	Each		
OPTION	Alkalinity, CaCO3 Method: EPA 310.1; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4025		20	Each		
OPTION	Biochemical Oxygen Demand Method: EPA 405.1; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4026		20	Each		
OPTION	Chemical Oxygen Demand Method: 410.1; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4027		20	Each		
OPTION	Chloride Method: EPA 300.0; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4028		20	Each		
OPTION	Color Method: EPA 110.2; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4029		20	Each		
OPTION	Conductivity Method: EPA 120.1; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4030		20	Each		
OPTION	Ammonia Method: EPA 350.1/350.2; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4031		20	Each		
OPTION	Kjeldahl Method: EPA 351,1.351.3; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4032		20	Each		
OPTION	Nitrate + nitrite Method: EPA 300.0; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4033		20	Each		
OPTION	Nitrate Method: EPA 300.0; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4034		20	Each		
OPTION	Nitrite Method: EPA 300.0; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4035		20	Each		
OPTION	Phosphate, ortho Method: EPA 300.0; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4036		20	Each		
OPTION	Phosphorus, total Method: EPA 365.1; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4037		20	Each		
OPTION	Solids, Total Dissolved (TDS) Method: EPA 160.1; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4038		20	Each		
OPTION	Solids, Total Suspended (TSS) Method: EPA 160.2; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4039		20	Each		
OPTION	Sulfate Method: EPA 300.0; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4040		20	Each		
OPTION	Sulfide (colorimetric-low level) Method: EPA 376.2; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4041		20	Each		
OPTION	Turbidity Method: EPA 180.1; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4042		20	Each		
OPTION	E.coli Method: SM 9222; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4043		20	Each		
OPTION	Fecal Coliform (Membrane Filter) Method: SM 9222 D; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4044		20	Each		
OPTION	Iron Bacteria Method: SM 9240 B; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4045		20	Each		
OPTION	Sulfur Bacteria Method: SM 9240 B; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4046		20	Each		
OPTION	Enumeration of iron or sulfur bacteria Method: SM 9240 D; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4047		20	Each		
OPTION	Hardness as CaCO3 Method: EPA 130.2; Analysis: Water				

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
4048		20	Each		
OPTION	Other tests that may be required Technique, method, and analysis to be determined. The contractor shall furnish a current price schedule. Test costs shall be from the printed schedule or as negotiated, whichever is less.				

Option Year 4 total	

Base Plus 4 Option Years total	

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001 - 0048	Base year POP Date of Award TO 31-OCT-2003	N/A	RESERVOIR REG & WATER QUAL SEC USACE PORTLAND DISTRICT PO BOX 2946 333 S PORTLAND OR 97208-2946 FOB: Destination	
1001 - 1048	First Option year POP 01-NOV-2003 TO 31-OCT-2004	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	
2001 - 2048	Second Option year POP 01-NOV-2004 TO 31-OCT-2005	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	
	Third Option year			

3001 - 3048	POP 01-NOV-2005 TO 31-OCT-2006	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination

4001 - 4048	Fourth Option year POP 01-NOV-2006 TO 31-OCT-2007	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination

52.212-2 EVALUATION--COMMERCIAL ITEMS (JAN 1999)

(a) The Government will award a contract resulting from this solicitation to the responsible offeror whose offer conforming to the solicitation will be most advantageous to the Government, price and other factors considered. The following factors shall be used to evaluate offers: (Note: NO GO or Unsatisfactory rating on any factor or sub factor will result in the rejection of the offor. The award will be for all or none of the CLINs to a single contractor. Not bidding any CLIN will result in the entire offor being rejected. Contractors may subcontract any tests they do not preform "in house" however the subcontractor must be identified for each test that is to be subcontracted, the subcontractor's certifications and MDL/PQL's for the applicable CLINs must be submitted with the quote, and the Limitations on Subcontracting [FAR clause 52.219-14] must be followed. This is a Request for Quote (RFQ) issued under the Simplified Acqusition Proceedures, the Government intends to award based on the quotes provided. There is no requirement for discussions, however we reserve the right to have discussions if needed. The lowest priced offer that passes all the evaluation factors will be awarded the contract.)

Factor 1
Contractor COE Validation, or NELAC/NELAP Certifications: The contractor shall submit evidence of applicable certification or validation with their offer. Failure to provide at least one current certification or validation will be basis of rejection of the offer. ~~Factor 1 is significantly more important than Factors 2 and 3~~. This factor will be rated on a GO/NO GO basis. A NO GO rating will result in the rejection of an offor.

Factor 2
Technical Capability of the analysis offered to meet the Government requirement: The analysis offered must meet the necessary Detection Level for each type of analysis identified in the contract. The contractor shall fill in the Practical Quantitation Limit (PQL) or Method Reporting Limit (MRL) and Method Detection Limit (MDL) that the lab is capable of meeting for each type of test shown in the space provided in the MDL/PQL list provided for the Base Year CLINs. These limits shall be used for all option years as well. ~~Factor 2 is somewhat more important than Factor 3.~~ See MDL/PQL Table 1, which will be incorporated into the contract at time of award.
This factor will be rated on a GO/NO GO basis. A NO GO rating on any one MDL/PQL or more will result in the rejection of an offor.

The following WEB sites contain guidelines and criteria established by Federal & State Regulators to evaluate water/sediment/soil & other potential sample matrices that the successful bidder will receive under this contract. The successful bidder's laboratory MDLs and MRLs/PQLs should be at or below these published guidelines & criteria levels, for each analyte listed.
http://www.nwp.usace.army.mil/ec/h/hr/Final/ - Dredge Material Evaluation Framework (Table 8.2).
http://www.epa.gov/waterscience/pc/revcom.pdf - EPA (page 12 Priority Toxic Pollutants).
http://www.deq.state.or.us/wmc/cleanup/122table.htm - Oregon Department of Environment Quality (ODEQ) (Soil Cleanup Tables).
http://www.deq.state.or.us/wmc/documents/eco-2slv.pdf - ODEQ (Guidance for Ecological Risk Assessment Level II Screening Level Values).

Factor 3
Past Performance: The contractor shall submit past performance information in accordance with FAR clause 52.212-1 Paragraph (b) (10). The government intends to contact references and ask questions concerning the

following sub-factors, but not limited to these questions: This factor will be rated on a Satisfactory/Unsatisfactory basis. A Unsatisfactory rating for any subfactor will result in the rejection of an offor. Subfators 1, 2, and 3 are equilly improtant.

Sub-factor 1
Quality of tests performed. ~~Sub-factor 1 is significantly more important than Sub-factors 2 and 3.~~

Sub-factor 2
Quality of reports submitted by the contractor. ~~Sub-factor 2 is significantly more important than Sub-factor 3.~~

Sub-factor 3
Timeliness of the contractors testing.

In addition the Government may use other sources to verify Past Performance, at its sole discretion.

Factors 1, 2, and 3 are equilly improtant and a failure (No Go/Unsatisfactory) rating recived on any of them will result in the offor being rejected. Factors 1, 2, and 3 when combined, are significantly more important than price.

Factor 4
Price.

(b) Options. The Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. The Government may determine that an offer is unacceptable if the option prices are significantly unbalanced. Evaluation of options shall not obligate the Government to exercise the option(s).

(c) A written notice of award or acceptance of an offer, mailed or otherwise furnished to the successful offeror within the time for acceptance specified in the offer, shall result in a binding contract without further action by either party. Before the offer's specified expiration time, the Government may accept an offer (or part of an offer), whether or not there are negotiations after its receipt, unless a written notice of withdrawal is received before award.

(End of clause)

52.219-14 LIMITATIONS ON SUBCONTRACTING (DEC 1996)

(a) This clause does not apply to the unrestricted portion of a partial set-aside.

(b) By submission of an offer and execution of a contract, the Offeror/Contractor agrees that in performance of the contract in the case of a contract for--

(1) Services (except construction). At least 50 percent of the cost of contract performance incurred for personnel shall be expended for employees of the concern.

(2) Supplies (other than procurement from a nonmanufacturer of such supplies). The concern shall perform work for at least 50 percent of the cost of manufacturing the supplies, not including the cost of materials.

(3) General construction. The concern will perform at least 15 percent of the cost of the contract, not including the cost of materials, with its own employees.

(4) Construction by special trade contractors. The concern will perform at least 25 percent of the cost of the contract, not including the cost of materials, with its own employees.

The following have been deleted:

52.219-8	Utilization of Small Business Concerns	OCT 2000
52.219-9 Alt II	Small Business Subcontracting Plan (Jan 2002) Alternate II	OCT 2001

(End of Summary of Changes)

TABLE 1 MDL/PQL

Item No.	**0001AA**
Method Name	**Volatile Organics by GC-MS (Water)**
Method Number	**SW8260**
Extraction Method	**SW5030 / E625**
Level	**Low**
Matrix	**Water**
Preservative	**HCl - pH<2**
Holding Time	**14 Days**
Instrument	**GCMS - Ion Trap**
Recommended Container	**3 - 40 ml VOA Vials**
Units	**ug/L**

Parameter	CAS #	PQL	MDL	PQL	MDL
1,1,1,2-Tetrachloroethane	630-20-6	1	0.5		
1,1,1-Trichloroethane	71-55-6	1	0.5		
1,1,2,2-Tetrachloroethane	79-34-5	1	0.5		
1,1,2-Trichloroethane	79-00-5	1	0.5		
1,1-Dichloroethane	75-34-3	1	0.5		
1,1-Dichloroethene	75-35-4	1	0.5		
1,1-Dichloropropene	563-58-6	1	0.5		
1,2,3-Trichlorobenzene		1	0.5		
1,2,3-Trichloropropane	96-18-4	1	0.5		
1,2,4-Trichlorobenzene	120-82-1	1	0.5		
1,2,4-Trimethylbenzene	95-63-6	1	0.5		
1,2-Dibromo-3-chloropropane	96-12-8	1	0.5		
1,2-Dibromoethane	106-93-4	1	0.5		
1,2-Dichlorobenzene	95-50-1	1	0.5		
1,2-Dichloroethane	107-06-2	1	0.5		
1,2-Dichloropropane	78-87-5	1	0.5		
1,3,5-Trimethylbenzene	108-67-8	1	0.5		
1,3-Dichlorobenzene	541-73-1	1	0.5		
1,3-Dichloropropane	142-28-9	1	0.5		
1,4-Dichlorobenzene	106-46-7	1	0.5		
2,2-Dichloropropane	594-20-7	1	0.5		
2-Butanone	78-93-3	5	2.5		
2-Chlorotoluene	95-49-8	1	0.5		
2-Hexanone	591-78-6	5	2.5		
4-Chlorotoluene	106-43-4	1	0.5		
4-Isopropyltoluene	99-87-6	1	0.5		
4-Methyl-2-pentanone	108-10-1	5	2.5		
Acetone	67-64-1	5	2.5		
Benzene	71-43-2	1	0.5		
Bromobenzene	108-86-1	1	0.5		
Bromochloromethane	74-97-5	1	0.5		
Bromodichloromethane	75-27-4	1	0.5		

Bromoform	75-25-2	1	0.5		
Bromomethane	74-83-9	1	0.5		
Carbon disulfide	75-15-0	1	0.5		
Carbon Tetrachloride	56-23-5	1	0.5		
Chlorobenzene	108-90-7	1	0.5		
Chloroethane	75-00-3	1	0.5		
Chloroform	67-66-3	1	0.5		
Chloromethane	74-87-3	1	0.5		
cis-1,2-Dichloroethene	156-60-5	1	0.5		
cis-1,3-Dichloropropene	10061-01-5	1	0.5		
Dibromochloromethane	124-48-1	1	0.5		
Dibromomethane	74-95-3	1	0.5		
Dichlorodifluoromethane	75-71-8	1	0.5		
Ethylbenzene	100-41-4	1	0.5		
Hexachlorobutadiene	87-68-3	1	0.5		
Isopropylbenzene	98-82-8	1	0.5		
m,p-Xylenes	108-38-3 & 106-42-3	2	1		
Methylene chloride	75-09-2	1	0.5		
Naphthalene	91-20-3	1	0.5		
n-Butylbenzene	104-51-8	1	0.5		
n-Propylbenzene	103-65-1	1	0.5		
o-Xylene	95-47-6	1	0.5		
sec-Butylbenzene	135-98-8	1	0.5		
Styrene	100-42-5	1	0.5		
t-Butylbenzene	98-06-6	1	0.5		
Tetrachloroethene	127-18-4	1	0.5		
Toluene	108-88-3	1	0.5		
trans-1,2-Dichloroethene	156-60-5	1	0.5		
trans-1,3-Dichloropropene	10061-02-6	1	0.5		
Trichloroethene	79-01-6	1	0.5		
Trichlorofluoromethane	75-69-4	1	0.5		
Vinyl chloride	75-01-4	1	0.5		

Item No.	**0001AB**
Method Name	**Volatile Organics by GC-MS (Soil or Sediment)**
Method Number	**SW8260**
Extraction Method	**SW5035**
Level	**Low**
Matrix	**Solid**
Preservative	**Cool 4 C**
Holding Time	**14 Days**
Instrument	**GCMS - Ion Trap**

Recommended Container **4 oz. Soil Jar**
Units **ug/kg**

Parameter	CAS #	PQL	MDL	PQL	MDL
1,1,1,2-Tetrachloroethane	630-20-6	1	0.5		
1,1,1-Trichloroethane	71-55-6	1	0.5		
1,1,2,2-Tetrachloroethane	79-34-5	1	0.5		
1,1,2-Trichloroethane	79-00-5	1	0.5		
1,1-Dichloroethane	75-34-3	1	0.5		
1,1-Dichloroethene	75-35-4	1	0.5		
1,1-Dichloropropene	563-58-6	1	0.5		
1,2,3-Trichlorobenzene		1	0.5		
1,2,3-Trichloropropane	96-18-4	1	0.5		
1,2,4-Trichlorobenzene	120-82-1	1	0.5		
1,2,4-Trimethylbenzene	95-63-6	1	0.5		
1,2-Dibromo-3-chloropropane	96-12-8	1	0.5		
1,2-Dibromoethane	106-93-4	1	0.5		
1,2-Dichlorobenzene	95-50-1	1	0.5		
1,2-Dichloroethane	107-06-2	1	0.5		
1,2-Dichloropropane	78-87-5	1	0.5		
1,3,5-Trimethylbenzene	108-67-8	1	0.5		
1,3-Dichlorobenzene	541-73-1	1	0.5		
1,3-Dichloropropane	142-28-9	1	0.5		
1,4-Dichlorobenzene	106-46-7	1	0.5		
2,2-Dichloropropane	594-20-7	1	0.5		
2-Chlorotoluene	95-49-8	1	0.5		
4-Chlorotoluene	106-43-4	1	0.5		
4-Isopropyltoluene	99-87-6	1	0.5		
Benzene	71-43-2	1	0.5		
Bromobenzene	108-86-1	1	0.5		
Bromochloromethane	74-97-5	1	0.5		
Bromodichloromethane	75-27-4	1	0.5		
Bromoform	75-25-2	1	0.5		
Bromomethane	74-83-9	1	0.5		
Carbon Tetrachloride	56-23-5	1	0.5		
Chlorobenzene	108-90-7	1	0.5		
Chloroethane	75-00-3	1	0.5		
Chloroform	67-66-3	1	0.5		
Chloromethane	74-87-3	1	0.5		
cis-1,2-Dichloroethene	156-60-5	1	0.5		
cis-1,3-Dichloropropene	10061-01-5	1	0.5		
Dibromochloromethane	124-48-1	1	0.5		
Dibromomethane	74-95-3	1	0.5		
Dichlorodifluoromethane	75-71-8	1	0.5		
Ethylbenzene	100-41-4	1	0.5		
Hexachlorobutadiene	87-68-3	1	0.5		
Isopropylbenzene	98-82-8	1	0.5		

m,p-Xylenes	108-38-3 & 106-42-3	2	1		
Methylene chloride	75-09-2	1	0.5		
Naphthalene	91-20-3	1	0.5		
n-Butylbenzene	104-51-8	1	0.5		
n-Propylbenzene	103-65-1	1	0.5		
o-Xylene	95-47-6	1	0.5		
sec-Butylbenzene	135-98-8	1	0.5		
Styrene	100-42-5	1	0.5		
t-Butylbenzene	98-06-6	1	0.5		
Tetrachloroethene	127-18-4	1	0.5		
Toluene	108-88-3	1	0.5		
trans-1,2-Dichloroethene	156-60-5	1	0.5		
trans-1,3-Dichloropropene	10061-02-6	1	0.5		
Trichloroethene	79-01-6	1	0.5		
Trichlorofluoromethane	75-69-4	1	0.5		
Vinyl chloride	75-01-4	1	0.5		

Item No. **0002AA**
Method Name **Semivolatile Organics by GC-MS (Water)**
Method Number **SW8270**
Extraction Method **SW3510**
Level **Standard**
Matrix **Water**
Preservative **Cool 4 C**
Holding Time **7 Days to Extract**
Instrument **GCMS - Ion Trap**
Recommended Container **1 Liter Amber B.R.**
Units **ug/L**

Parameter	CAS #	PQL	MDL	PQL	MDL
1,2,4-Trichlorobenzene	120-82-1	1	0.16		
1,2-Dichlorobenzene	95-50-1	1	0.16		
1,3-Dichlorobenzene	541-73-1	1	0.17		
1,4-Dichlorobenzene	106-46-7	1	0.15		
2,4,5-Trichlorophenol	95-95-4	1	0.11		
2,4,6-Trichlorophenol	88-06-2	1	0.12		
2,4-Dichlorophenol	120-83-2	1	0.15		
2,4-Dimethylphenol	105-67-9	1	0.15		
2,4-Dinitrophenol	51-28-5	5	0.3		
2,4-Dinitrotoluene	121-14-2	1	0.13		
2,6-Dinitrotoluene	606-20-2	1	0.2		
2-Chloronaphthalene	91-58-7	0.1	0.0136		
2-Chlorophenol	95-57-8	1	0.17		
2-Methylnaphthalene	91-57-6	0.1	0.0152		
2-Methylphenol	95-48-7	1	0.24		

2-Nitroaniline	88-74-4	1	0.18		
2-Nitrophenol	88-75-5	1	0.22		
3- & 4-Methylphenol		1	0.23		
3,3'-Dichlorobenzidine	91-94-1	1	0.36		
3-Nitroaniline	99-09-2	1	0.33		
4,6-Dinitro-2-methylphenol	534-52-1	5	0.22		
4-Bromophenylphenylether	101-55-3	1	0.12		
4-Chloro-3-methylphenol	59-50-7	1	0.54		
4-Chloroaniline	106-47-8	1	0.39		
4-Chlorophenylphenylether	7005-72-3	1	0.15		
4-Nitroaniline	100-01-6	1	0.31		
4-Nitrophenol	100-02-7	5	0.29		
Acenaphthene	83-32-9	0.1	0.0157		
Acenaphthylene	208-96-8	0.1	0.0152		
Anthracene	120-12-7	0.1	0.0152		
Benzo(a)anthracene	56-55-3	0.1	0.0438		
Benzo(a)pyrene	50-32-8	0.1	0.047		
Benzo(g,h,i)perylene	191-24-2	0.1	0.0343		
Benzofluoranthenes		0.2	0.038		
Benzoic Acid	65-85-0	5	0.2		
Benzyl Alcohol	100-51-6	1	0.32		
bis(2-Chloroethoxy)methane	111-91-1	1	0.18		
bis(2-Chloroethyl)ether	111-44-4	1	0.19		
bis(2-Chloroisopropyl)ether	108-60-1	1	0.21		
bis(2-Ethylhexyl)phthalate	117-81-7	1	0.65		
Butylbenzylphthalate	85-68-7	5	1.87		
Chrysene	218-01-9	0.1	0.0245		
Dibenz(a,h)anthracene	53-70-3	0.1	0.0269		
Dibenzofuran	132-64-9	1	0.14		
Diethylphthalate	84-66-2	1	0.58		
Dimethylphthalate	131-11-3	1	0.16		
Di-n-butylphthalate	87-74-2	5	2.31		
Di-n-octylphthalate	117-84-0	1	0.34		
Fluoranthene	206-44-0	0.1	0.0188		
Fluorene	86-73-7	0.1	0.0136		
Hexachlorobenzene	118-74-1	1	0.2		
Hexachlorobutadiene	87-68-3	1	0.29		
Hexachlorocyclopentadiene	77-47-4	1	0.26		
Hexachloroethane	67-72-1	1	0.4		
Indeno(1,2,3-cd)pyrene	193-39-5	0.1	0.0304		
Isophorone	78-59-1	1	0.18		
Naphthalene	91-20-3	0.1	0.0219		
Nitrobenzene	98-95-3	1	0.45		
N-nitroso-di-n-propylamine	621-64-7	1	0.21		
N-Nitrosodiphenylamine	86-30-6	1	0.1		
Pentachlorophenol	87-86-5	1	0.17		
Phenanthrene	85-01-8	0.1	0.0222		
Phenol	108-95-2	1	0.32		

Pyrene	129-00-0	0.1	0.0136		

Item No. **0002AB**
Method Name **Semivolatile Organics by GC-MS (Soil or Sediment)**
Method Number **SW8270**
Extraction Method **SW3550**
Level **Standard**
Matrix **Solid**
Preservative **Cool 4 C**
Holding Time **14 Days to Extract**
Instrument **GCMS - Ion Trap**
Recommended Container **4 oz. Soil Jar**
Units **ug/kg**

Parameter	CAS #	PQL	MDL	PQL	MDL
1,2,4-Trichlorobenzene	120-82-1	133	11.1		
1,2-Dichlorobenzene	95-50-1	133	13.7		
1,2-Diphenylhydrazine	122-66-7	133	36		
1,3-Dichlorobenzene	541-73-1	133	18.7		
1,4-Dichlorobenzene	106-46-7	133	21.3		
2,4,5-Trichlorophenol	95-95-4	133	24		
2,4,6-Trichlorophenol	88-06-2	133	17.7		
2,4-Dichlorophenol	120-83-2	133	14.7		
2,4-Dimethylphenol	105-67-9	133	14.7		
2,4-Dinitrophenol	51-28-5	333	32		
2,4-Dinitrotoluene	121-14-2	133	17.3		
2,6-Dinitrotoluene	606-20-2	133	24		
2-Chloronaphthalene	91-58-7	13.3	4		
2-Chlorophenol	95-57-8	133	20		
2-Methylnaphthalene	91-57-6	13.3	2.08		
2-Methylphenol	95-48-7	133	16		
2-Nitroaniline	88-74-4	133	17.3		
2-Nitrophenol	88-75-5	133	18.7		
3- & 4-Methylphenol		133	19.7		
3,3'-Dichlorobenzidine	91-94-1	133	14.7		
3-Nitroaniline	99-09-2	133	22.7		
4,6-Dinitro-2-methylphenol	534-52-1	333	49.3		
4-Bromophenylphenylether	101-55-3	133	17.7		
4-Chloro-3-methylphenol	59-50-7	133	14.7		
4-Chloroaniline	106-47-8	133	12.4		
4-Chlorophenylphenylether	7005-72-3	133	22.4		
4-Nitroaniline	100-01-6	133	22.7		
4-Nitrophenol	100-02-7	333	25.3		
Acenaphthene	83-32-9	13.3	6.6		
Acenaphthylene	208-96-8	13.3	5.81		
Aniline	62-53-3	133	66.7		

Anthracene	120-12-7	13.3	3.36		
Benzidine	92-87-5	333	25.2		
Benzo(a)anthracene	56-55-3	26.7	8.13		
Benzo(a)pyrene	50-32-8	13.3	7.83		
Benzo(g,h,i)perylene	191-24-2	13.3	2.2		
Benzofluoranthenes		26.7	5.87		
Benzoic Acid	65-85-0	667	45.3		
Benzyl Alcohol	100-51-6	133	28		
bis(2-Chloroethoxy)methane	111-91-1	133	16		
bis(2-Chloroethyl)ether	111-44-4	133	25.5		
bis(2-Chloroisopropyl)ether	108-60-1	133	34.7		
bis(2-Ethylhexyl)phthalate	117-81-7	333	54.7		
Butylbenzylphthalate	85-68-7	133	25.3		
Carbazole	86-74-8	333	52		
Chrysene	218-01-9	26.7	7.83		
Dibenz(a,h)anthracene	53-70-3	13.3	3.11		
Dibenzofuran	132-64-9	133	15.5		
Diethylphthalate	84-66-2	133	22.7		
Dimethylphthalate	131-11-3	133	14.7		
Di-n-butylphthalate	87-74-2	667	116		
Di-n-octylphthalate	117-84-0	133	34.7		
Fluoranthene	206-44-0	13.3	6.23		
Fluorene	86-73-7	13.3	6.23		
Hexachlorobenzene	118-74-1	133	14.7		
Hexachlorobutadiene	87-68-3	133	12		
Hexachlorocyclopentadiene	77-47-4	133	18.8		
Hexachloroethane	67-72-1	133	25.3		
Indeno(1,2,3-cd)pyrene	193-39-5	13.3	3.11		
Isophorone	78-59-1	133	18.7		
Naphthalene	91-20-3	13.3	6.24		
Nitrobenzene	98-95-3	133	18.3		
N-nitrosodimethylamine	62-75-9	333	14.7		
N-nitroso-di-n-propylamine	621-64-7	133	14.7		
N-Nitrosodiphenylamine	86-30-6	133	10.7		
Pentachlorophenol	87-86-5	133	28		
Phenanthrene	85-01-8	13.3	2.84		
Phenol	108-95-2	133	26.7		
Pyrene	129-00-0	13.3	4.4		
Pyridine	110-86-1	333	22.7		

Item No.	**0003AA**
Method Name	**Semivolatile Organics by GC-MS (Water)**
Method Number	**SW8270**
Extraction Method	**SW3510**
Level	**Low**
Matrix	**Water**

Preservative **Cool 4 C**
Holding Time **7 Days to Extract**
Instrument **GCMS - Ion Trap or other low level method**
Recommended Container **1 Liter Amber B.R.**
Units **ug/L**

Parameter	CAS #	PQL	MDL	PQL	MDL
1,2,4-Trichlorobenzene	120-82-1	0.1	0.016		
1,2-Dichlorobenzene	95-50-1	0.1	0.016		
1,3-Dichlorobenzene	541-73-1	0.1	0.017		
1,4-Dichlorobenzene	106-46-7	0.1	0.015		
2,4,5-Trichlorophenol	95-95-4	0.1	0.011		
2,4,6-Trichlorophenol	88-06-2	0.1	0.012		
2,4-Dichlorophenol	120-83-2	0.1	0.015		
2,4-Dimethylphenol	105-67-9	0.1	0.015		
2,4-Dinitrophenol	51-28-5	0.5	0.03		
2,4-Dinitrotoluene	121-14-2	0.1	0.013		
2,6-Dinitrotoluene	606-20-2	0.1	0.02		
2-Chloronaphthalene	91-58-7	0.01	0.00136		
2-Chlorophenol	95-57-8	0.1	0.017		
2-Methylnaphthalene	91-57-6	0.01	0.00152		
2-Methylphenol	95-48-7	0.1	0.024		
2-Nitroaniline	88-74-4	0.1	0.018		
2-Nitrophenol	88-75-5	0.1	0.022		
3- & 4-Methylphenol		0.1	0.023		
3,3'-Dichlorobenzidine	91-94-1	0.1	0.036		
3-Nitroaniline	99-09-2	0.1	0.033		
4,6-Dinitro-2-methylphenol	534-52-1	0.5	0.022		
4-Bromophenylphenylether	101-55-3	0.1	0.012		
4-Chloro-3-methylphenol	59-50-7	0.1	0.054		
4-Chloroaniline	106-47-8	0.1	0.039		
4-Chlorophenylphenylether	7005-72-3	0.1	0.015		
4-Nitroaniline	100-01-6	0.1	0.031		
4-Nitrophenol	100-02-7	0.5	0.029		
Acenaphthene	83-32-9	0.01	0.00157		
Acenaphthylene	208-96-8	0.01	0.00152		
Anthracene	120-12-7	0.01	0.00152		
Benzo(a)anthracene	56-55-3	0.01	0.00438		
Benzo(a)pyrene	50-32-8	0.01	0.0047		
Benzo(g,h,i)perylene	191-24-2	0.01	0.00343		
Benzofluoranthenes		0.02	0.0038		
Benzoic Acid	65-85-0	0.5	0.02		
Benzyl Alcohol	100-51-6	0.1	0.032		
bis(2-Chloroethoxy)methane	111-91-1	0.1	0.018		
bis(2-Chloroethyl)ether	111-44-4	0.1	0.019		
bis(2-Chloroisopropyl)ether	108-60-1	0.1	0.021		
bis(2-Ethylhexyl)phthalate	117-81-7	0.1	0.065		
Butylbenzylphthalate	85-68-7	0.5	0.187		

Chrysene	218-01-9	0.01	0.00245		
Dibenz(a,h)anthracene	53-70-3	0.01	0.00269		
Dibenzofuran	132-64-9	0.1	0.014		
Diethylphthalate	84-66-2	0.1	0.058		
Dimethylphthalate	131-11-3	0.1	0.016		
Di-n-butylphthalate	87-74-2	0.5	0.231		
Di-n-octylphthalate	117-84-0	0.1	0.034		
Fluoranthene	206-44-0	0.01	0.00188		
Fluorene	86-73-7	0.01	0.00136		
Hexachlorobenzene	118-74-1	0.1	0.02		
Hexachlorobutadiene	87-68-3	0.1	0.029		
Hexachlorocyclopentadiene	77-47-4	0.1	0.026		
Hexachloroethane	67-72-1	0.1	0.04		
Indeno(1,2,3-cd)pyrene	193-39-5	0.01	0.00304		
Isophorone	78-59-1	0.1	0.018		
Naphthalene	91-20-3	0.01	0.00219		
Nitrobenzene	98-95-3	0.1	0.045		
N-nitroso-di-n-propylamine	621-64-7	0.1	0.021		
N-Nitrosodiphenylamine	86-30-6	0.1	0.01		
Pentachlorophenol	87-86-5	0.1	0.017		
Phenanthrene	85-01-8	0.01	0.00222		
Phenol	108-95-2	0.1	0.032		
Pyrene	129-00-0	0.01	0.00136		

Item No.	**0003AB**
Method Name	**Semivolatile Organics by GC-MS (Soil or Sediment)**
Method Number	**SW8270**
Extraction Method	**SW3550**
Level	**Low**
Matrix	**Solid**
Preservative	**Cool 4 C**
Holding Time	**14 Days to Extract**
Instrument	**GCMS - Ion Trap or other low level method**
Recommended Container	**4 oz. Soil Jar**
Units	**ug/kg**

Parameter	CAS #	PQL	MDL	PQL	MDL
1,2,4-Trichlorobenzene	120-82-1	13.3	1.11		
1,2-Dichlorobenzene	95-50-1	13.3	1.37		
1,2-Diphenylhydrazine	122-66-7	13.3	3.6		
1,3-Dichlorobenzene	541-73-1	13.3	1.87		
1,4-Dichlorobenzene	106-46-7	13.3	2.13		
2,4,5-Trichlorophenol	95-95-4	13.3	2.4		
2,4,6-Trichlorophenol	88-06-2	13.3	1.77		
2,4-Dichlorophenol	120-83-2	13.3	1.47		
2,4-Dimethylphenol	105-67-9	13.3	1.47		

2,4-Dinitrophenol	51-28-5	33.3	3.2		
2,4-Dinitrotoluene	121-14-2	13.3	1.73		
2,6-Dinitrotoluene	606-20-2	13.3	2.4		
2-Chloronaphthalene	91-58-7	1.33	0.4		
2-Chlorophenol	95-57-8	13.3	2		
2-Methylnaphthalene	91-57-6	1.33	0.208		
2-Methylphenol	95-48-7	13.3	1.6		
2-Nitroaniline	88-74-4	13.3	1.73		
2-Nitrophenol	88-75-5	13.3	1.87		
3- & 4-Methylphenol		13.3	1.97		
3,3'-Dichlorobenzidine	91-94-1	13.3	1.47		
3-Nitroaniline	99-09-2	13.3	2.27		
4,6-Dinitro-2-methylphenol	534-52-1	33.3	4.93		
4-Bromophenylphenylether	101-55-3	13.3	1.77		
4-Chloro-3-methylphenol	59-50-7	13.3	1.47		
4-Chloroaniline	106-47-8	13.3	1.24		
4-Chlorophenylphenylether	7005-72-3	13.3	2.24		
4-Nitroaniline	100-01-6	13.3	2.27		
4-Nitrophenol	100-02-7	33.3	2.53		
Acenaphthene	83-32-9	1.33	0.66		
Acenaphthylene	208-96-8	1.33	0.581		
Aniline	62-53-3	13.3	6.67		
Anthracene	120-12-7	1.33	0.336		
Benzidine	92-87-5	33.3	2.52		
Benzo(a)anthracene	56-55-3	2.67	0.813		
Benzo(a)pyrene	50-32-8	1.33	0.783		
Benzo(g,h,i)perylene	191-24-2	1.33	0.22		
Benzofluoranthenes		2.67	0.587		
Benzoic Acid	65-85-0	66.7	4.53		
Benzyl Alcohol	100-51-6	13.3	2.8		
bis(2-Chloroethoxy)methane	111-91-1	13.3	1.6		
bis(2-Chloroethyl)ether	111-44-4	13.3	2.55		
bis(2-Chloroisopropyl)ether	108-60-1	13.3	3.47		
bis(2-Ethylhexyl)phthalate	117-81-7	33.3	5.47		
Butylbenzylphthalate	85-68-7	13.3	2.53		
Carbazole	86-74-8	333	5.2		
Chrysene	218-01-9	26.7	0.783		
Dibenz(a,h)anthracene	53-70-3	13.3	0.311		
Dibenzofuran	132-64-9	13.3	1.55		
Diethylphthalate	84-66-2	13.3	2.27		
Dimethylphthalate	131-11-3	13.3	1.47		
Di-n-butylphthalate	87-74-2	66.7	11.6		
Di-n-octylphthalate	117-84-0	13.3	3.47		
Fluoranthene	206-44-0	1.33	0.623		
Fluorene	86-73-7	1.33	0.623		
Hexachlorobenzene	118-74-1	13.3	1.47		
Hexachlorobutadiene	87-68-3	13.3	1.2		
Hexachlorocyclopentadiene	77-47-4	13.3	1.88		

Hexachloroethane	67-72-1	13.3	2.53		
Indeno(1,2,3-cd)pyrene	193-39-5	1.33	0.311		
Isophorone	78-59-1	13.3	1.87		
Naphthalene	91-20-3	1.33	0.624		
Nitrobenzene	98-95-3	13.3	1.83		
N-nitrosodimethylamine	62-75-9	33.3	1.47		
N-nitroso-di-n-propylamine	621-64-7	13.3	1.47		
N-Nitrosodiphenylamine	86-30-6	13.3	1.07		
Pentachlorophenol	87-86-5	13.3	2.8		
Phenanthrene	85-01-8	1.33	0.284		
Phenol	108-95-2	13.3	2.67		
Pyrene	129-00-0	1.33	0.44		
Pyridine	110-86-1	33.3	2.27		

Item No.	**0004AA & 0005AA**
Method Name	**Organochlorine Pesticides by GC (Solid Waste - Waste Water) (Water)**
Method Number	**SW8081-E608**
Extraction Method	**SW3510**
Level	**Low**
Matrix	**Water**
Preservative	**Cool 4 C**
Holding Time	**7 Days to Extract**
Instrument	**GC/ECD**
Recommended Container	**1 Liter Amber B.R.**
Units	**ug/L**

Parameter	CAS #	PQL	MDL	PQL	MDL
4,4'-DDD	72-54-8	0.002	0.000471		
4,4'-DDE	72-55-9	0.002	0.00039		
4,4'-DDT	50-29-3	0.002	0.0005		
Aldrin	309-00-2	0.001	0.000115		
alpha-BHC	319-84-6	0.001	0.000368		
beta-BHC	319-84-6	0.001	0.000427		
Chlordane (technical)	57-74-9	0.01	0.0032		
delta-BHC	319-86-8	0.001	0.000235		
Dieldrin	60-57-1	0.002	0.000302		
Endosulfan I	959-98-8	0.001	0.000499		
Endosulfan II	33213-65-9	0.002	0.000378		
Endosulfan sulfate	1031-07-8	0.002	0.000537		
Endrin	72-20-8	0.002	0.00031		
Endrin aldehyde	7421-93-4	0.002	0.000973		
Endrin ketone	53494-70-5	0.002	0.000345		
gamma-BHC (Lindane)	58-89-9	0.001	0.00072		
Heptachlor	76-74-8	0.001	0.000753		
Heptachlor epoxide	76-44-8	0.001	0.000374		

Methoxychlor	72-43-5	0.01	0.000537		
Toxaphene	8001-35-2	0.1	0.0117		

Item No. **0004AB & 0005AB**
Method Name **Organochlorine Pesticides by GC (Soil or Sediment)**
Method Number **SW8081**
Extraction Method **SW3550**
Level **Standard**
Matrix **Solid**
Preservative **Cool 4 C**
Holding Time **14 Days to Extract**
Instrument **GC/ECD**
Recommended Container **4 oz. Soil Jar**
Units **ug/kg**

Parameter	CAS #	PQL	MDL	PQL	MDL
4,4'-DDD	72-54-8	2	0.194		
4,4'-DDE	72-55-9	2	0.23		
4,4'-DDT	50-29-3	2	0.259		
Aldrin	309-00-2	1	0.431		
alpha-BHC	319-84-6	1	0.311		
beta-BHC	319-84-6	1	0.423		
Chlordane (technical)	57-74-9	10	1.41		
delta-BHC	319-86-8	1	0.384		
Dieldrin	60-57-1	2	0.328		
Endosulfan I	959-98-8	1	0.426		
Endosulfan II	33213-65-9	2	0.386		
Endosulfan sulfate	1031-07-8	2	0.364		
Endrin	72-20-8	2	0.361		
Endrin aldehyde	7421-93-4	2	0.408		
Endrin ketone	53494-70-5	2	0.281		
gamma-BHC (Lindane)	58-89-9	1	0.382		
Heptachlor	76-74-8	1	0.344		
Heptachlor epoxide	76-44-8	1	0.365		
Methoxychlor	72-43-5	10	1.38		
Toxaphene	8001-35-2	100	6.27		

Item No. **0004AA & 0006AA**
Method Name **PCB's by GC (Solid Waste - Waste Water) (Water)**
Method Number **SW8082-E608**
Extraction Method **SW3510**
Level **Low**
Matrix **Water**
Preservative **Cool 4 C**