

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022757.D
 Acq On : 19 Jun 2025 15:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/21/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 03:01:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	126430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	211778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	183141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	91175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	77903	55.092	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.180%			
35) Dibromofluoromethane	7.634	113	70055	55.421	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.840%			
50) Toluene-d8	10.103	98	276223	54.081	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.160%			
62) 4-Bromofluorobenzene	12.402	95	80369	52.812	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	48918	43.217	ug/l	97
3) Chloromethane	2.068	50	139936	41.847	ug/l	99
4) Vinyl Chloride	2.202	62	205144	52.882	ug/l	97
5) Bromomethane	2.592	94	160036	43.042	ug/l	99
6) Chloroethane	2.733	64	151327	56.833	ug/l	90
7) Trichlorofluoromethane	3.043	101	189797	57.632	ug/l	98
8) Diethyl Ether	3.452	74	38091	51.360	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	71212	51.342	ug/l	99
10) Methyl Iodide	4.001	142	75388	50.225	ug/l	98
11) Tert butyl alcohol	4.854	59	25978	257.218	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	67853	51.178	ug/l	98
13) Acrolein	3.653	56	8586	68.215	ug/l	100
14) Allyl chloride	4.385	41	100981	48.517	ug/l	98
15) Acrylonitrile	5.061	53	86095	274.100	ug/l	98
16) Acetone	3.866	43	77638	270.353	ug/l	100
17) Carbon Disulfide	4.098	76	197474	46.523	ug/l	99
18) Methyl Acetate	4.385	43	53260	62.630	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	194144	51.989	ug/l	99
20) Methylene Chloride	4.610	84	81060	49.692	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	78572	52.951	ug/l	97
22) Diisopropyl ether	6.019	45	240586	51.930	ug/l	100
23) Vinyl Acetate	5.958	43	682508	248.899	ug/l	99
24) 1,1-Dichloroethane	5.909	63	148335	54.349	ug/l	98
25) 2-Butanone	6.890	43	110501	266.762	ug/l	96
26) 2,2-Dichloropropane	6.884	77	124725	51.721	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	92784	54.098	ug/l	99
28) Bromochloromethane	7.244	49	65547	55.094	ug/l	98
29) Tetrahydrofuran	7.262	42	73433	274.859	ug/l	99
30) Chloroform	7.421	83	152611	56.452	ug/l	96
31) Cyclohexane	7.701	56	124757	45.914	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	131318	54.720	ug/l	99
36) 1,1-Dichloropropene	7.835	75	108464	52.869	ug/l	100
37) Ethyl Acetate	6.982	43	49531	54.138	ug/l	99
38) Carbon Tetrachloride	7.817	117	113618	53.985	ug/l	98
39) Methylcyclohexane	9.109	83	135205	49.040	ug/l	99
40) Benzene	8.079	78	332236	54.829	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	26142	48.918	ug/l #	68
42) 1,2-Dichloroethane	8.158	62	93816	56.703	ug/l	99
43) Isopropyl Acetate	8.195	43	104149	52.709	ug/l	99
44) Trichloroethene	8.866	130	81580	55.086	ug/l	99
45) 1,2-Dichloropropane	9.140	63	80865	56.468	ug/l	99
46) Dibromomethane	9.231	93	45565	56.556	ug/l	99
47) Bromodichloromethane	9.420	83	116648	57.100	ug/l	96
48) Methyl methacrylate	9.219	41	48113	51.882	ug/l	94
49) 1,4-Dioxane	9.225	88	9671	1013.235	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	279775	283.996	ug/l	99
52) Toluene	10.170	92	207483	54.486	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	103921	54.293	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	121081	54.342	ug/l	98
55) 1,1,2-Trichloroethane	10.567	97	58789	57.226	ug/l	97
56) Ethyl methacrylate	10.438	69	78389	52.794	ug/l	98
57) 1,3-Dichloropropane	10.713	76	102580	56.337	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	197914	293.581	ug/l	99
59) 2-Hexanone	10.756	43	182297	276.689	ug/l	97
60) Dibromochloromethane	10.908	129	74977	57.430	ug/l	98
61) 1,2-Dibromoethane	11.012	107	52529	56.100	ug/l	97
64) Tetrachloroethene	10.646	164	98264	62.374	ug/l	95
65) Chlorobenzene	11.438	112	217384	53.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	75157	55.050	ug/l	100
67) Ethyl Benzene	11.518	91	402957	53.607	ug/l	98
68) m/p-Xylenes	11.627	106	309796	108.717	ug/l	98
69) o-Xylene	11.950	106	143828	53.835	ug/l	97
70) Styrene	11.963	104	242850	54.991	ug/l	99
71) Bromoform	12.127	173	39682	54.620	ug/l #	99
73) Isopropylbenzene	12.249	105	376164	50.253	ug/l	100
74) N-amyl acetate	12.066	43	90776	48.062	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	62155	50.592	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	54188m	51.950	ug/l	
77) Bromobenzene	12.530	156	79276	50.187	ug/l	100
78) n-propylbenzene	12.591	91	462622	50.600	ug/l	99
79) 2-Chlorotoluene	12.676	91	242317	50.007	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	295073	50.210	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	20266	46.920	ug/l	98
82) 4-Chlorotoluene	12.773	91	249884	49.989	ug/l	98
83) tert-Butylbenzene	12.993	119	262654	49.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	299496	50.954	ug/l	100
85) sec-Butylbenzene	13.170	105	407807	50.483	ug/l	99
86) p-Isopropyltoluene	13.286	119	341530	51.292	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	165880	51.830	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	161167	51.920	ug/l	98
89) n-Butylbenzene	13.615	91	325886	51.586	ug/l	99
90) Hexachloroethane	13.877	117	67152	51.803	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	140641	51.758	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	9711	54.291	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	76997	51.955	ug/l	94
94) Hexachlorobutadiene	15.017	225	43870	53.633	ug/l	95
95) Naphthalene	15.139	128	147042	51.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	67045	52.788	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

