

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042525\
 Data File : VY022019.D
 Acq On : 25 Apr 2025 19:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/28/2025
 Supervised By : Mahesh Dadoda 04/28/2025

Quant Time: Apr 25 22:58:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	277696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	440070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	421415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	237192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128474	50.087	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.180%			
35) Dibromofluoromethane	7.634	113	143239	49.268	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.540%			
50) Toluene-d8	10.103	98	544630	49.690	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.380%			
62) 4-Bromofluorobenzene	12.401	95	189997	51.493	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	106502	45.009	ug/l	98
3) Chloromethane	2.068	50	157526	46.754	ug/l	98
4) Vinyl Chloride	2.196	62	205438	49.618	ug/l	100
5) Bromomethane	2.592	94	158106	44.323	ug/l	99
6) Chloroethane	2.732	64	140635	49.874	ug/l	97
7) Trichlorofluoromethane	3.049	101	263669	48.294	ug/l	98
8) Diethyl Ether	3.452	74	70769	49.801	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	139333	47.045	ug/l	99
10) Methyl Iodide	4.000	142	171062	49.886	ug/l	98
11) Tert butyl alcohol	4.860	59	39029	277.159	ug/l	98
12) 1,1-Dichloroethene	3.781	96	131290	47.558	ug/l	97
13) Acrolein	3.653	56	45438	179.781	ug/l	98
14) Allyl chloride	4.378	41	158479	49.303	ug/l	100
15) Acrylonitrile	5.055	53	139431	268.019	ug/l	99
16) Acetone	3.872	43	92805	278.885	ug/l	92
17) Carbon Disulfide	4.098	76	429619	48.809	ug/l	99
18) Methyl Acetate	4.378	43	81044	67.639	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	329201	53.279	ug/l	99
20) Methylene Chloride	4.610	84	151793	46.800	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	154016	49.816	ug/l	97
22) Diisopropyl ether	6.018	45	381540	53.337	ug/l	99
23) Vinyl Acetate	5.957	43	992239	257.379	ug/l	99
24) 1,1-Dichloroethane	5.909	63	249995	50.419	ug/l	98
25) 2-Butanone	6.890	43	156847	268.258	ug/l	99
26) 2,2-Dichloropropane	6.884	77	191785	44.130	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	179296	51.865	ug/l	99
28) Bromochloromethane	7.244	49	98414	51.099	ug/l	99
29) Tetrahydrofuran	7.256	42	107298	282.554	ug/l	97
30) Chloroform	7.414	83	284295	51.691	ug/l	99
31) Cyclohexane	7.695	56	199040	46.942	ug/l	99
32) 1,1,1-Trichloroethane	7.609	97	246255	49.490	ug/l	99
36) 1,1-Dichloropropene	7.829	75	190761	48.846	ug/l	99
37) Ethyl Acetate	6.982	43	73455	52.370	ug/l	97
38) Carbon Tetrachloride	7.817	117	229215	49.118	ug/l	98
39) Methylcyclohexane	9.109	83	237433	48.311	ug/l	100
40) Benzene	8.079	78	618992	50.704	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	34756	45.330	ug/l #	81
42) 1,2-Dichloroethane	8.158	62	154779	51.209	ug/l	100
43) Isopropyl Acetate	8.195	43	140660	52.220	ug/l	99
44) Trichloroethene	8.859	130	170235	50.344	ug/l	97
45) 1,2-Dichloropropane	9.140	63	138441	51.280	ug/l	99
46) Dibromomethane	9.225	93	87274	51.641	ug/l	100
47) Bromodichloromethane	9.420	83	218836	51.834	ug/l	98
48) Methyl methacrylate	9.219	41	67826	54.470	ug/l	97
49) 1,4-Dioxane	9.225	88	19599	1088.070	ug/l	95
51) 4-Methyl-2-Pentanone	9.993	43	398448	282.185	ug/l	99
52) Toluene	10.170	92	410718	51.975	ug/l	100
53) t-1,3-Dichloropropene	10.389	75	185029	51.095	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	219470	50.984	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	120803	53.513	ug/l	99
56) Ethyl methacrylate	10.438	69	144987	56.163	ug/l	99
57) 1,3-Dichloropropane	10.713	76	191561	52.932	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	345800	273.968	ug/l	99
59) 2-Hexanone	10.755	43	266837	286.509	ug/l	100
60) Dibromochloromethane	10.908	129	166320	53.215	ug/l	100
61) 1,2-Dibromoethane	11.011	107	114472	53.713	ug/l	100
64) Tetrachloroethene	10.646	164	198514	49.935	ug/l	99
65) Chlorobenzene	11.438	112	465147	49.358	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	166251	50.110	ug/l	99
67) Ethyl Benzene	11.517	91	776327	50.358	ug/l	99
68) m/p-Xylenes	11.627	106	627068	102.222	ug/l	99
69) o-Xylene	11.950	106	294528	52.092	ug/l	99
70) Styrene	11.968	104	503409	53.028	ug/l	100
71) Bromoform	12.127	173	102110	52.937	ug/l #	98
73) Isopropylbenzene	12.249	105	753055	47.521	ug/l	100
74) N-amyl acetate	12.066	43	131820	48.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	127228	47.620	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	105601m	51.978	ug/l	
77) Bromobenzene	12.529	156	191785	47.895	ug/l	99
78) n-propylbenzene	12.590	91	894589	47.403	ug/l	99
79) 2-Chlorotoluene	12.676	91	521641	47.529	ug/l	100
80) 1,3,5-Trimethylbenzene	12.730	105	635044	48.636	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	36524	43.292	ug/l	98
82) 4-Chlorotoluene	12.773	91	539314	47.271	ug/l	99
83) tert-Butylbenzene	12.993	119	567869	48.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	646346	49.490	ug/l	99
85) sec-Butylbenzene	13.169	105	819717	47.837	ug/l	100
86) p-Isopropyltoluene	13.291	119	698043	47.973	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	385704	47.425	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	380666	47.260	ug/l	99
89) n-Butylbenzene	13.615	91	608819	46.811	ug/l	99
90) Hexachloroethane	13.877	117	146959	45.969	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	345123	48.654	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20618	48.505	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	196214	48.814	ug/l	99
94) Hexachlorobutadiene	15.023	225	113001	45.691	ug/l	100
95) Naphthalene	15.139	128	354251	53.053	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	175504	50.580	ug/l	100

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

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