

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022208.D
 Acq On : 12 May 2025 08:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
 Supervised By :Semsettin Yesilyurt 05/13/2025

Quant Time: May 13 02:13:45 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	232841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	342821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	319177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176689	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102850	47.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.640%
35) Dibromofluoromethane	7.634	113	115429	50.965	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.940%
50) Toluene-d8	10.109	98	444190	52.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.040%
62) 4-Bromofluorobenzene	12.407	95	150152	52.238	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.480%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	85958	43.325	ug/l	98
3) Chloromethane	2.068	50	125781	44.523	ug/l	97
4) Vinyl Chloride	2.202	62	168837	48.634	ug/l	99
5) Bromomethane	2.598	94	129535	43.309	ug/l	100
6) Chloroethane	2.738	64	119213	50.422	ug/l	100
7) Trichlorofluoromethane	3.055	101	216013	47.187	ug/l	100
8) Diethyl Ether	3.452	74	54445	45.694	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	124918	50.303	ug/l	99
10) Methyl Iodide	4.000	142	143576	49.936	ug/l	98
11) Tert butyl alcohol	4.860	59	26088	220.949	ug/l	99
12) 1,1-Dichloroethene	3.793	96	110000	47.522	ug/l	98
13) Acrolein	3.653	56	11369	53.648	ug/l	93
14) Allyl chloride	4.385	41	138379	51.343	ug/l	97
15) Acrylonitrile	5.061	53	103963	238.339	ug/l	98
16) Acetone	3.872	43	74958	267.790	ug/l	94
17) Carbon Disulfide	4.104	76	337490	45.728	ug/l	99
18) Methyl Acetate	4.385	43	57830	57.563	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	253580	48.947	ug/l	99
20) Methylene Chloride	4.616	84	126252	46.424	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	128051	49.397	ug/l	94
22) Diisopropyl ether	6.018	45	322249	53.727	ug/l	98
23) Vinyl Acetate	5.964	43	823801	254.853	ug/l	99
24) 1,1-Dichloroethane	5.915	63	214522	51.599	ug/l	98
25) 2-Butanone	6.896	43	118647	242.016	ug/l	97
26) 2,2-Dichloropropane	6.884	77	195306	53.598	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	145468	50.186	ug/l	97
28) Bromochloromethane	7.244	49	82490	51.082	ug/l	98
29) Tetrahydrofuran	7.262	42	79250	248.897	ug/l	99
30) Chloroform	7.421	83	238601	51.740	ug/l	99
31) Cyclohexane	7.701	56	178841	50.303	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	215820	51.729	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166749	54.810	ug/l	98
37) Ethyl Acetate	6.982	43	54483	49.863	ug/l	98
38) Carbon Tetrachloride	7.817	117	201296	55.372	ug/l	99
39) Methylcyclohexane	9.109	83	207489	54.195	ug/l	96
40) Benzene	8.079	78	513287	53.973	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	28075	47.003	ug/l #	82
42) 1,2-Dichloroethane	8.158	62	127444	54.126	ug/l	100
43) Isopropyl Acetate	8.195	43	105256	50.161	ug/l	99
44) Trichloroethene	8.865	130	138185	52.459	ug/l	97
45) 1,2-Dichloropropane	9.140	63	117678	55.954	ug/l	97
46) Dibromomethane	9.231	93	69247	52.598	ug/l	98
47) Bromodichloromethane	9.420	83	182796	55.580	ug/l	96
48) Methyl methacrylate	9.219	41	52631	54.257	ug/l	95
49) 1,4-Dioxane	9.231	88	13873	988.661	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	299793	272.545	ug/l	98
52) Toluene	10.170	92	346566	56.297	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	151949	53.863	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	183317	54.666	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	93666	53.262	ug/l	98
56) Ethyl methacrylate	10.438	69	105300	52.361	ug/l	97
57) 1,3-Dichloropropane	10.719	76	155896	55.297	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	268201	272.765	ug/l	99
59) 2-Hexanone	10.761	43	195254	269.120	ug/l	97
60) Dibromochloromethane	10.914	129	131396	53.967	ug/l	99
61) 1,2-Dibromoethane	11.017	107	87985	52.996	ug/l	99
64) Tetrachloroethene	10.646	164	155716	51.716	ug/l	99
65) Chlorobenzene	11.444	112	381251	53.414	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	136702	54.401	ug/l	99
67) Ethyl Benzene	11.517	91	647066	55.419	ug/l	100
68) m/p-Xylenes	11.627	106	520881	112.111	ug/l	100
69) o-Xylene	11.956	106	238450	55.683	ug/l	100
70) Styrene	11.969	104	411045	57.168	ug/l	99
71) Bromoform	12.133	173	77033	52.728	ug/l #	99
73) Isopropylbenzene	12.255	105	635730	53.854	ug/l	100
74) N-amyl acetate	12.072	43	99228	48.925	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	100214	50.353	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	77716m	51.351	ug/l	
77) Bromobenzene	12.536	156	152204	51.026	ug/l	98
78) n-propylbenzene	12.596	91	767016	54.561	ug/l	100
79) 2-Chlorotoluene	12.682	91	436335	53.370	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	533502	54.851	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	32109	51.091	ug/l	98
82) 4-Chlorotoluene	12.779	91	455866	53.639	ug/l	100
83) tert-Butylbenzene	12.999	119	473011	54.225	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	529673	54.445	ug/l	100
85) sec-Butylbenzene	13.176	105	703839	55.140	ug/l	100
86) p-Isopropyltoluene	13.291	119	596949	55.074	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	317420	52.394	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	308858	51.475	ug/l	99
89) n-Butylbenzene	13.621	91	528105	54.509	ug/l	99
90) Hexachloroethane	13.877	117	125426	52.668	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	272765	51.620	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14824	46.816	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	146994	49.091	ug/l	99
94) Hexachlorobutadiene	15.023	225	92861	50.405	ug/l	100
95) Naphthalene	15.145	128	233741	46.992	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	127984	49.516	ug/l	98

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

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