

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021962.D
 Acq On : 23 Apr 2025 09:57
 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 04/25/2025
 Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:22 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	7.713	168	304636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	465219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	430304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	227723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133520	47.451	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.900%		
35) Dibromofluoromethane	7.634	113	151319	49.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.460%		
50) Toluene-d8	10.109	98	589167	50.847	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.700%		
62) 4-Bromofluorobenzene	12.408	95	196424	50.357	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	116536	44.894	ug/l	99
3) Chloromethane	2.068	50	181350	49.065	ug/l	99
4) Vinyl Chloride	2.202	62	217446	47.874	ug/l	100
5) Bromomethane	2.599	94	182857	46.729	ug/l	100
6) Chloroethane	2.733	64	152398	49.267	ug/l	98
7) Trichlorofluoromethane	3.056	101	287420	47.989	ug/l	98
8) Diethyl Ether	3.452	74	69537	44.607	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	149408	45.985	ug/l	99
10) Methyl Iodide	4.007	142	183739	48.844	ug/l	98
11) Tert butyl alcohol	4.879	59	31210	202.034	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	143778	47.476	ug/l	99
13) Acrolein	3.659	56	56593	204.115	ug/l	97
14) Allyl chloride	4.385	41	168316	47.732	ug/l	100
15) Acrylonitrile	5.061	53	126185	221.107	ug/l	99
16) Acetone	3.879	43	84438	227.318	ug/l	91
17) Carbon Disulfide	4.104	76	465690	48.228	ug/l	99
18) Methyl Acetate	4.391	43	60532	46.052	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	317518	46.844	ug/l	99
20) Methylene Chloride	4.616	84	157872	44.370	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	166597	49.120	ug/l	96
22) Diisopropyl ether	6.019	45	390556	49.769	ug/l	97
23) Vinyl Acetate	5.964	43	1018467	240.820	ug/l	100
24) 1,1-Dichloroethane	5.915	63	261269	48.033	ug/l	98
25) 2-Butanone	6.896	43	139641	217.710	ug/l	99
26) 2,2-Dichloropropane	6.890	77	231168	48.489	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	184296	48.597	ug/l	99
28) Bromochloromethane	7.250	49	102469	48.500	ug/l	99
29) Tetrahydrofuran	7.262	42	93574	224.622	ug/l	98
30) Chloroform	7.421	83	294102	48.745	ug/l	100
31) Cyclohexane	7.701	56	220118	47.322	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	261492	47.904	ug/l	100
36) 1,1-Dichloropropene	7.835	75	207306	50.213	ug/l	99
37) Ethyl Acetate	6.988	43	65822	44.392	ug/l	98
38) Carbon Tetrachloride	7.817	117	244632	49.588	ug/l	97
39) Methylcyclohexane	9.110	83	257532	49.568	ug/l	97
40) Benzene	8.079	78	642424	49.779	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	36422	44.935	ug/l	97
42) 1,2-Dichloroethane	8.158	62	153778	48.127	ug/l	100
43) Isopropyl Acetate	8.201	43	131510	46.184	ug/l	98
44) Trichloroethene	8.866	130	172785	48.336	ug/l	98
45) 1,2-Dichloropropane	9.140	63	142245	49.841	ug/l	98
46) Dibromomethane	9.231	93	86051	48.165	ug/l	99
47) Bromodichloromethane	9.427	83	222639	49.884	ug/l	99
48) Methyl methacrylate	9.219	41	63582	48.301	ug/l	99
49) 1,4-Dioxane	9.244	88	17347	910.985	ug/l #	90
51) 4-Methyl-2-Pentanone	10.000	43	354051	237.188	ug/l	100
52) Toluene	10.170	92	431458	51.648	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	186739	48.779	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	226412	49.753	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	115302	48.315	ug/l	99
56) Ethyl methacrylate	10.439	69	135058	49.489	ug/l	99
57) 1,3-Dichloropropane	10.719	76	187872	49.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	330303	247.543	ug/l	100
59) 2-Hexanone	10.762	43	233063	236.717	ug/l	98
60) Dibromochloromethane	10.914	129	162089	49.058	ug/l	99
61) 1,2-Dibromoethane	11.018	107	109207	48.473	ug/l	98
64) Tetrachloroethene	10.646	164	194016	47.795	ug/l	99
65) Chlorobenzene	11.444	112	471216	48.969	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	169077	49.909	ug/l	100
67) Ethyl Benzene	11.518	91	809578	51.431	ug/l	98
68) m/p-Xylenes	11.627	106	651015	103.933	ug/l	99
69) o-Xylene	11.957	106	298324	51.674	ug/l	100
70) Styrene	11.969	104	510378	52.652	ug/l	100
71) Bromoform	12.133	173	94049	47.750	ug/l #	100
73) Isopropylbenzene	12.255	105	786442	51.691	ug/l	100
74) N-amyl acetate	12.072	43	122929	47.028	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	119870	46.731	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	92788m	47.570	ug/l	
77) Bromobenzene	12.536	156	191765	49.881	ug/l	99
78) n-propylbenzene	12.597	91	937068	51.719	ug/l	100
79) 2-Chlorotoluene	12.682	91	534581	50.734	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	656821	52.396	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	36526	45.095	ug/l	98
82) 4-Chlorotoluene	12.780	91	565209	51.601	ug/l	99
83) tert-Butylbenzene	12.999	119	572255	50.900	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	654511	52.200	ug/l	99
85) sec-Butylbenzene	13.176	105	854324	51.930	ug/l	100
86) p-Isopropyltoluene	13.292	119	722898	51.747	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	390395	49.998	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	378229	48.910	ug/l	99
89) n-Butylbenzene	13.621	91	639690	51.230	ug/l	100
90) Hexachloroethane	13.883	117	151676	49.417	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	336961	49.478	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17627	43.193	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	185069	47.955	ug/l	99
94) Hexachlorobutadiene	15.023	225	114409	48.184	ug/l	99
95) Naphthalene	15.145	128	298015	46.487	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	158449	47.564	ug/l	99

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

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