

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022119.D
 Acq On : 02 May 2025 10:56
 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 :Semsettin Yesilyurt 05/05/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:48:52 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	360455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	570969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	519282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	263357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162010	48.660	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.320%		
35) Dibromofluoromethane	7.634	113	178727	47.381	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.760%		
50) Toluene-d8	10.103	98	670593	47.155	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.320%		
62) 4-Bromofluorobenzene	12.408	95	235461	49.184	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	133738	43.543	ug/l	99
3) Chloromethane	2.068	50	188216	43.037	ug/l	99
4) Vinyl Chloride	2.202	62	236560	44.017	ug/l	99
5) Bromomethane	2.592	94	200685	43.343	ug/l	100
6) Chloroethane	2.733	64	163106	44.563	ug/l	98
7) Trichlorofluoromethane	3.056	101	317713	44.832	ug/l	98
8) Diethyl Ether	3.452	74	92064	49.912	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	179351	46.653	ug/l	99
10) Methyl Iodide	4.001	142	237483	53.355	ug/l	99
11) Tert butyl alcohol	4.879	59	48977	267.949	ug/l	100
12) 1,1-Dichloroethene	3.787	96	172050	48.014	ug/l	97
13) Acrolein	3.653	56	44690	136.224	ug/l	97
14) Allyl chloride	4.385	41	200496	48.053	ug/l	98
15) Acrylonitrile	5.061	53	164157	243.100	ug/l	100
16) Acetone	3.873	43	109843	252.240	ug/l	95
17) Carbon Disulfide	4.104	76	504364	44.144	ug/l	99
18) Methyl Acetate	4.385	43	96326	61.935	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	436787	54.461	ug/l	98
20) Methylene Chloride	4.610	84	200730	47.679	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	194761	48.532	ug/l	99
22) Diisopropyl ether	6.019	45	467363	50.334	ug/l	99
23) Vinyl Acetate	5.958	43	1238000	247.398	ug/l	99
24) 1,1-Dichloroethane	5.909	63	314172	48.814	ug/l	98
25) 2-Butanone	6.890	43	187834	247.497	ug/l	97
26) 2,2-Dichloropropane	6.884	77	286563	50.800	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	229297	51.100	ug/l	100
28) Bromochloromethane	7.238	49	122562	49.027	ug/l	94
29) Tetrahydrofuran	7.262	42	126677	256.996	ug/l	95
30) Chloroform	7.421	83	361467	50.632	ug/l	97
31) Cyclohexane	7.701	56	251348	45.668	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	328570	50.872	ug/l	99
36) 1,1-Dichloropropene	7.835	75	241085	47.580	ug/l	100
37) Ethyl Acetate	6.982	43	86073	47.298	ug/l	97
38) Carbon Tetrachloride	7.817	117	298330	49.273	ug/l	99
39) Methylcyclohexane	9.110	83	308462	48.375	ug/l	97
40) Benzene	8.079	78	765775	48.347	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	52636	52.911	ug/l	98
42) 1,2-Dichloroethane	8.152	62	199762	50.939	ug/l	99
43) Isopropyl Acetate	8.195	43	179537	51.373	ug/l	99
44) Trichloroethene	8.866	130	214824	48.966	ug/l	97
45) 1,2-Dichloropropane	9.140	63	171050	48.833	ug/l	99
46) Dibromomethane	9.231	93	109796	50.074	ug/l	98
47) Bromodichloromethane	9.420	83	277344	50.632	ug/l	100
48) Methyl methacrylate	9.219	41	82061	50.793	ug/l	94
49) 1,4-Dioxane	9.231	88	24167	1034.081	ug/l #	96
51) 4-Methyl-2-Pentanone	10.000	43	480789	262.438	ug/l	100
52) Toluene	10.170	92	513310	50.065	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	241919	51.489	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	281472	50.397	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	146011	49.851	ug/l	97
56) Ethyl methacrylate	10.439	69	180514	53.894	ug/l	97
57) 1,3-Dichloropropane	10.719	76	234959	50.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	437480	267.142	ug/l	99
59) 2-Hexanone	10.762	43	319192	264.152	ug/l	100
60) Dibromochloromethane	10.914	129	205255	50.617	ug/l	100
61) 1,2-Dibromoethane	11.012	107	140502	50.813	ug/l	100
64) Tetrachloroethene	10.646	164	241840	49.368	ug/l	98
65) Chlorobenzene	11.444	112	575703	49.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	207113	50.661	ug/l	99
67) Ethyl Benzene	11.518	91	968706	50.995	ug/l	99
68) m/p-Xylenes	11.627	106	769944	101.858	ug/l	99
69) o-Xylene	11.957	106	363730	52.207	ug/l	99
70) Styrene	11.969	104	614740	52.552	ug/l	99
71) Bromoform	12.133	173	122153	51.392	ug/l #	100
73) Isopropylbenzene	12.255	105	953243	54.177	ug/l	100
74) N-amyl acetate	12.072	43	164911	54.552	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	152489	51.404	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	114326m	50.681	ug/l	
77) Bromobenzene	12.530	156	233646	52.552	ug/l	99
78) n-propylbenzene	12.597	91	1116491	53.284	ug/l	100
79) 2-Chlorotoluene	12.676	91	644165	52.862	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	784334	54.102	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	49097	52.413	ug/l	99
82) 4-Chlorotoluene	12.780	91	671998	53.049	ug/l	99
83) tert-Butylbenzene	12.999	119	709525	54.571	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	788661	54.388	ug/l	99
85) sec-Butylbenzene	13.176	105	1027164	53.988	ug/l	99
86) p-Isopropyltoluene	13.292	119	863360	53.440	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	452469	50.107	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	447467	50.034	ug/l	99
89) n-Butylbenzene	13.615	91	761262	52.717	ug/l	99
90) Hexachloroethane	13.877	117	181534	51.142	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	403723	51.260	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	25081	53.143	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	238016	53.330	ug/l	99
94) Hexachlorobutadiene	15.023	225	140513	51.171	ug/l	99
95) Naphthalene	15.145	128	426928	57.585	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	208289	54.065	ug/l	97

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

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