

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022742.D
 Acq On : 19 Jun 2025 09:10
 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 06/21/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 02:52:59 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	7.713	168	138661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	231867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	198920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	92724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	82367	53.111	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.220%			
35) Dibromofluoromethane	7.634	113	74887	54.110	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.220%			
50) Toluene-d8	10.109	98	297824	53.258	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.408	95	85091	51.070	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.140%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	55615	44.799	ug/l	98
3) Chloromethane	2.068	50	146616	39.977	ug/l	99
4) Vinyl Chloride	2.208	62	199624	46.920	ug/l	97
5) Bromomethane	2.598	94	163575	40.113	ug/l	99
6) Chloroethane	2.739	64	148397	50.816	ug/l	98
7) Trichlorofluoromethane	3.056	101	183502	50.805	ug/l	97
8) Diethyl Ether	3.452	74	42298	52.001	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	81173	53.361	ug/l	98
10) Methyl Iodide	4.007	142	90181	54.780	ug/l	98
11) Tert butyl alcohol	4.860	59	25975	234.502	ug/l #	93
12) 1,1-Dichloroethene	3.793	96	75962	52.240	ug/l	99
13) Acrolein	3.653	56	9596	69.514	ug/l	95
14) Allyl chloride	4.385	41	117558	51.499	ug/l	98
15) Acrylonitrile	5.055	53	91170	264.654	ug/l	99
16) Acetone	3.873	43	88320	280.422	ug/l	95
17) Carbon Disulfide	4.104	76	224429	48.209	ug/l	98
18) Methyl Acetate	4.391	43	54736	58.688	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	217901	53.204	ug/l	99
20) Methylene Chloride	4.616	84	91627	51.215	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	87408	53.710	ug/l	97
22) Diisopropyl ether	6.019	45	273729	53.872	ug/l	96
23) Vinyl Acetate	5.964	43	761132	253.088	ug/l	100
24) 1,1-Dichloroethane	5.915	63	170153	56.843	ug/l	99
25) 2-Butanone	6.896	43	119835	263.777	ug/l	97
26) 2,2-Dichloropropane	6.890	77	149556	56.547	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	104198	55.394	ug/l	98
28) Bromochloromethane	7.250	49	70148	53.760	ug/l	97
29) Tetrahydrofuran	7.262	42	74655	254.785	ug/l	100
30) Chloroform	7.427	83	170088	57.367	ug/l	98
31) Cyclohexane	7.701	56	140281	47.073	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	148949	56.592	ug/l	99
36) 1,1-Dichloropropene	7.841	75	121499	54.091	ug/l	99
37) Ethyl Acetate	6.988	43	51619	51.532	ug/l	99
38) Carbon Tetrachloride	7.823	117	129243	56.089	ug/l	96
39) Methylcyclohexane	9.109	83	152074	50.380	ug/l	99
40) Benzene	8.085	78	374033	56.379	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	29035	49.625	ug/l	96
42) 1,2-Dichloroethane	8.158	62	101608	56.092	ug/l	99
43) Isopropyl Acetate	8.201	43	109705	50.710	ug/l	98
44) Trichloroethene	8.866	130	89780	55.370	ug/l	96
45) 1,2-Dichloropropane	9.140	63	90244	57.557	ug/l	98
46) Dibromomethane	9.231	93	48415	54.887	ug/l	97
47) Bromodichloromethane	9.426	83	130349	58.279	ug/l	98
48) Methyl methacrylate	9.225	41	52415	51.624	ug/l	98
49) 1,4-Dioxane	9.231	88	10523	1006.978	ug/l #	92
51) 4-Methyl-2-Pentanone	10.000	43	287633	266.676	ug/l	98
52) Toluene	10.170	92	231876	55.617	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	115321	55.029	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	137801	56.488	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	64219	57.095	ug/l	96
56) Ethyl methacrylate	10.438	69	85846	52.807	ug/l	98
57) 1,3-Dichloropropane	10.719	76	113639	57.004	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	212275	287.603	ug/l	100
59) 2-Hexanone	10.762	43	189488	262.685	ug/l	98
60) Dibromochloromethane	10.914	129	81443	56.978	ug/l	99
61) 1,2-Dibromoethane	11.018	107	57026	55.626	ug/l	96
64) Tetrachloroethene	10.646	164	100706	58.853	ug/l	97
65) Chlorobenzene	11.444	112	245829	55.847	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	84194	56.778	ug/l	98
67) Ethyl Benzene	11.518	91	452489	55.422	ug/l	100
68) m/p-Xylenes	11.627	106	344550	111.322	ug/l	99
69) o-Xylene	11.957	106	160351	55.258	ug/l	99
70) Styrene	11.969	104	269132	56.108	ug/l	98
71) Bromoform	12.133	173	43716	55.400	ug/l #	100
73) Isopropylbenzene	12.255	105	419573	55.115	ug/l	99
74) N-amyl acetate	12.072	43	94800	49.354	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	67196	53.782	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	49418m	46.586	ug/l	
77) Bromobenzene	12.530	156	88508	55.095	ug/l	99
78) n-propylbenzene	12.597	91	512268	55.094	ug/l	99
79) 2-Chlorotoluene	12.682	91	272243	55.244	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	326979	54.710	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	21799	49.626	ug/l	98
82) 4-Chlorotoluene	12.780	91	277066	54.501	ug/l	98
83) tert-Butylbenzene	12.999	119	298267	55.604	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	328248	54.913	ug/l	100
85) sec-Butylbenzene	13.176	105	449393	54.702	ug/l	99
86) p-Isopropyltoluene	13.292	119	370775	54.754	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	182521	56.077	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	174615	55.313	ug/l	99
89) n-Butylbenzene	13.615	91	354657	55.202	ug/l	99
90) Hexachloroethane	13.883	117	73533	55.778	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	150394	54.422	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9488	52.158	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	82741	54.898	ug/l	95
94) Hexachlorobutadiene	15.023	225	45298	54.454	ug/l	98
95) Naphthalene	15.145	128	150762	52.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	68444	52.989	ug/l	99

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

