

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022538.D
 Acq On : 04 Jun 2025 09:54
 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 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 04:08:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	186956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	316261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	266067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125910	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	105197	50.309	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.620%	
35) Dibromofluoromethane	7.640	113	97696	51.754	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.500%	
50) Toluene-d8	10.109	98	400949	52.566	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.140%	
62) 4-Bromofluorobenzene	12.408	95	116409	51.223	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.440%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	75010	44.814	ug/l	98
3) Chloromethane	2.068	50	204608	41.378	ug/l	100
4) Vinyl Chloride	2.202	62	286948	50.022	ug/l	97
5) Bromomethane	2.598	94	230272	41.882	ug/l	98
6) Chloroethane	2.739	64	202619	51.460	ug/l	96
7) Trichlorofluoromethane	3.056	101	250619	51.463	ug/l	97
8) Diethyl Ether	3.458	74	52454	47.829	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	99794	48.655	ug/l	99
10) Methyl Iodide	4.007	142	110950	49.986	ug/l	99
11) Tert butyl alcohol	4.860	59	33951	227.331	ug/l	97
12) 1,1-Dichloroethene	3.787	96	97819	49.894	ug/l	97
13) Acrolein	3.653	56	39655	213.058	ug/l	100
14) Allyl chloride	4.385	41	152864	49.667	ug/l	100
15) Acrylonitrile	5.061	53	109286	235.291	ug/l	99
16) Acetone	3.872	43	116438	274.197	ug/l	100
17) Carbon Disulfide	4.110	76	303821	48.404	ug/l	100
18) Methyl Acetate	4.385	43	64548	51.330	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	266837	48.322	ug/l	99
20) Methylene Chloride	4.616	84	105976	43.934	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	109911	50.091	ug/l	91
22) Diisopropyl ether	6.018	45	337633	49.283	ug/l	97
23) Vinyl Acetate	5.964	43	957071	236.032	ug/l	100
24) 1,1-Dichloroethane	5.915	63	206841	51.250	ug/l	100
25) 2-Butanone	6.890	43	153585	250.736	ug/l	99
26) 2,2-Dichloropropane	6.890	77	182553	51.193	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	129296	50.980	ug/l	99
28) Bromochloromethane	7.244	49	87302	49.623	ug/l	99
29) Tetrahydrofuran	7.268	42	90620	229.379	ug/l	98
30) Chloroform	7.421	83	204467	51.148	ug/l	97
31) Cyclohexane	7.701	56	184681	45.964	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	179519	50.587	ug/l	99
36) 1,1-Dichloropropene	7.835	75	152597	49.807	ug/l	99
37) Ethyl Acetate	6.988	43	64630	47.304	ug/l	98
38) Carbon Tetrachloride	7.817	117	156290	49.727	ug/l	99
39) Methylcyclohexane	9.109	83	196502	47.727	ug/l	99
40) Benzene	8.079	78	459613	50.792	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	37300m	46.739	ug/l	
42) 1,2-Dichloroethane	8.158	62	121961	49.361	ug/l	99
43) Isopropyl Acetate	8.201	43	138999	47.106	ug/l	98
44) Trichloroethene	8.865	130	113245	51.205	ug/l	99
45) 1,2-Dichloropropane	9.140	63	107082	50.071	ug/l	98
46) Dibromomethane	9.231	93	57876	48.104	ug/l	99
47) Bromodichloromethane	9.426	83	154053	50.497	ug/l	96
48) Methyl methacrylate	9.219	41	66082	47.717	ug/l	99
49) 1,4-Dioxane	9.237	88	12823	899.629	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	348816	237.102	ug/l	98
52) Toluene	10.170	92	286991	50.467	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	140654	49.207	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	166728	50.108	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	74255	48.401	ug/l	94
56) Ethyl methacrylate	10.438	69	106100	47.850	ug/l	99
57) 1,3-Dichloropropane	10.719	76	132196	48.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	264382	262.615	ug/l	100
59) 2-Hexanone	10.761	43	243804	247.792	ug/l	99
60) Dibromochloromethane	10.914	129	94640	48.542	ug/l	100
61) 1,2-Dibromoethane	11.011	107	67796	48.485	ug/l	99
64) Tetrachloroethene	10.646	164	116655	50.969	ug/l	99
65) Chlorobenzene	11.444	112	298796	50.749	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	100630	50.736	ug/l	99
67) Ethyl Benzene	11.517	91	559371	51.222	ug/l	99
68) m/p-Xylenes	11.627	106	419486	101.329	ug/l	99
69) o-Xylene	11.956	106	196735	50.687	ug/l	99
70) Styrene	11.969	104	329327	51.330	ug/l	99
71) Bromoform	12.133	173	50607	47.947	ug/l #	99
73) Isopropylbenzene	12.255	105	521108	50.411	ug/l	100
74) N-amyl acetate	12.072	43	123604	47.389	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	80221	47.284	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	75631m	52.505	ug/l	
77) Bromobenzene	12.536	156	105935	48.563	ug/l	98
78) n-propylbenzene	12.596	91	637344	50.480	ug/l	99
79) 2-Chlorotoluene	12.682	91	334475	49.984	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	407935	50.265	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	28066	47.053	ug/l	95
82) 4-Chlorotoluene	12.779	91	346570	50.204	ug/l	98
83) tert-Butylbenzene	12.999	119	367162	50.407	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	410138	50.528	ug/l	100
85) sec-Butylbenzene	13.176	105	564153	50.571	ug/l	100
86) p-Isopropyltoluene	13.291	119	467858	50.880	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	221662	50.153	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	214914	50.135	ug/l	99
89) n-Butylbenzene	13.621	91	451669	51.772	ug/l	100
90) Hexachloroethane	13.883	117	90748	50.693	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	186425	49.680	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11592	46.928	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	102553	50.109	ug/l	98
94) Hexachlorobutadiene	15.023	225	56207	49.759	ug/l	99
95) Naphthalene	15.145	128	189102	48.149	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	85594	48.801	ug/l	100

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

