

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022638.D
 Acq On : 10 Jun 2025 09:46
 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 : John Carlone 06/10/2025
 Supervised By : Semsettin Yesilyurt 06/11/2025

Quant Time: Jun 11 01:45:44 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	156937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	264046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	225714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	106365	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	94302	53.726	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.460%	
35) Dibromofluoromethane	7.640	113	86194	54.690	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.380%	
50) Toluene-d8	10.109	98	344471	54.092	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.180%	
62) 4-Bromofluorobenzene	12.408	95	102229	53.878	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.760%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	61760	43.956	ug/l	95
3) Chloromethane	2.068	50	209542	50.481	ug/l	99
4) Vinyl Chloride	2.202	62	254149	52.779	ug/l	100
5) Bromomethane	2.598	94	198064	42.914	ug/l	98
6) Chloroethane	2.739	64	169109	51.165	ug/l	96
7) Trichlorofluoromethane	3.056	101	203786	49.851	ug/l	99
8) Diethyl Ether	3.464	74	44229	48.043	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	83421	48.452	ug/l	99
10) Methyl Iodide	4.007	142	87809	47.128	ug/l	98
11) Tert butyl alcohol	4.879	59	27520	219.517	ug/l	97
12) 1,1-Dichloroethene	3.793	96	79244	48.151	ug/l	97
13) Acrolein	3.665	56	19223	123.037	ug/l	98
14) Allyl chloride	4.391	41	121675	47.095	ug/l	99
15) Acrylonitrile	5.068	53	93383	239.510	ug/l	99
16) Acetone	3.879	43	76468	214.517	ug/l	98
17) Carbon Disulfide	4.110	76	244568	46.417	ug/l	97
18) Methyl Acetate	4.385	43	51038	48.350	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	219222	47.293	ug/l	100
20) Methylene Chloride	4.616	84	94882	46.859	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	90887	49.344	ug/l	98
22) Diisopropyl ether	6.025	45	280851	48.837	ug/l	97
23) Vinyl Acetate	5.964	43	804216	236.272	ug/l	100
24) 1,1-Dichloroethane	5.921	63	170497	50.325	ug/l	98
25) 2-Butanone	6.903	43	118552	230.564	ug/l	96
26) 2,2-Dichloropropane	6.890	77	146347	48.890	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	106950	50.236	ug/l	98
28) Bromochloromethane	7.250	49	75081	50.840	ug/l	99
29) Tetrahydrofuran	7.268	42	76591	230.952	ug/l	99
30) Chloroform	7.427	83	173124	51.591	ug/l	91
31) Cyclohexane	7.707	56	146344	43.389	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	149907	50.323	ug/l	99
36) 1,1-Dichloropropene	7.841	75	127010	49.654	ug/l	99
37) Ethyl Acetate	6.988	43	54224	47.536	ug/l	99
38) Carbon Tetrachloride	7.823	117	131106	49.963	ug/l	96
39) Methylcyclohexane	9.116	83	162316	47.220	ug/l	94
40) Benzene	8.085	78	388031	51.361	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	32517m	48.803	ug/l	
42) 1,2-Dichloroethane	8.165	62	103994	50.413	ug/l	99
43) Isopropyl Acetate	8.201	43	116798	47.409	ug/l	99
44) Trichloroethene	8.866	130	92489	50.089	ug/l	97
45) 1,2-Dichloropropane	9.146	63	92040	51.549	ug/l	97
46) Dibromomethane	9.231	93	51301	51.071	ug/l	98
47) Bromodichloromethane	9.427	83	134915	52.969	ug/l	96
48) Methyl methacrylate	9.225	41	54428	47.073	ug/l	97
49) 1,4-Dioxane	9.231	88	10517	883.755	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	298121	242.715	ug/l	98
52) Toluene	10.170	92	243711	51.331	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	118344	49.589	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	141566	50.959	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	65808	51.378	ug/l	98
56) Ethyl methacrylate	10.439	69	89401	48.292	ug/l	99
57) 1,3-Dichloropropane	10.719	76	116244	51.204	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	229160	272.642	ug/l	99
59) 2-Hexanone	10.762	43	196265	238.922	ug/l	100
60) Dibromochloromethane	10.914	129	82115	50.447	ug/l	99
61) 1,2-Dibromoethane	11.018	107	59927	51.332	ug/l	98
64) Tetrachloroethene	10.646	164	102192	52.632	ug/l	98
65) Chlorobenzene	11.444	112	251105	50.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	84097	49.980	ug/l	99
67) Ethyl Benzene	11.518	91	468984	50.623	ug/l	99
68) m/p-Xylenes	11.627	106	354329	100.892	ug/l	100
69) o-Xylene	11.957	106	167581	50.895	ug/l	97
70) Styrene	11.969	104	277948	51.067	ug/l	99
71) Bromoform	12.133	173	42786	47.785	ug/l #	98
73) Isopropylbenzene	12.255	105	432034	49.474	ug/l	99
74) N-amyl acetate	12.072	43	104724	47.528	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	68774	47.985	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	54641m	44.903	ug/l	
77) Bromobenzene	12.536	156	92002	49.926	ug/l	100
78) n-propylbenzene	12.597	91	532182	49.896	ug/l	99
79) 2-Chlorotoluene	12.682	91	280347	49.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	341028	49.743	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	23322	46.284	ug/l	99
82) 4-Chlorotoluene	12.780	91	292896	50.226	ug/l	100
83) tert-Butylbenzene	12.999	119	307856	50.032	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	341482	49.801	ug/l	99
85) sec-Butylbenzene	13.176	105	469437	49.813	ug/l	100
86) p-Isopropyltoluene	13.292	119	382970	49.302	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	187358	50.181	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	183407	50.647	ug/l	99
89) n-Butylbenzene	13.615	91	375235	50.915	ug/l	99
90) Hexachloroethane	13.883	117	75927	50.207	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	158543	50.014	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10737	51.454	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	86385	49.965	ug/l	99
94) Hexachlorobutadiene	15.023	225	47839	50.133	ug/l	98
95) Naphthalene	15.145	128	159650	48.120	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	72438	48.889	ug/l	98

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

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