

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022380.D
 Acq On : 22 May 2025 08:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: May 23 03:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	161495	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	274168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	235238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	110586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	90668	51.370	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.740%			
35) Dibromofluoromethane	7.646	113	87280	53.337	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.680%			
50) Toluene-d8	10.115	98	355941	53.110	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.220%			
62) 4-Bromofluorobenzene	12.408	95	105997	49.898	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.800%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	82650	49.047	ug/l	99
3) Chloromethane	2.074	50	176433	49.773	ug/l	96
4) Vinyl Chloride	2.208	62	234408	59.188	ug/l	97
5) Bromomethane	2.605	94	194171	60.227	ug/l	96
6) Chloroethane	2.745	64	160268	65.048	ug/l	98
7) Trichlorofluoromethane	3.068	101	216108	53.896	ug/l	95
8) Diethyl Ether	3.470	74	48567	50.471	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	96945	55.692	ug/l	98
10) Methyl Iodide	4.019	142	112522	55.849	ug/l	99
11) Tert butyl alcohol	4.885	59	30628	227.243	ug/l #	100
12) 1,1-Dichloroethene	3.799	96	93099	53.894	ug/l	96
13) Acrolein	3.665	56	21575	109.497	ug/l	98
14) Allyl chloride	4.397	41	143029	47.221	ug/l	94
15) Acrylonitrile	5.074	53	96693	243.864	ug/l	100
16) Acetone	3.879	43	77883	235.333	ug/l	99
17) Carbon Disulfide	4.117	76	291563	51.759	ug/l	98
18) Methyl Acetate	4.403	43	49022	46.981	ug/l	94
19) Methyl tert-butyl Ether	5.135	73	245795	51.604	ug/l	96
20) Methylene Chloride	4.629	84	99182	46.380	ug/l	95
21) trans-1,2-Dichloroethene	5.135	96	101691	53.333	ug/l	91
22) Diisopropyl ether	6.031	45	310912	48.607	ug/l	97
23) Vinyl Acetate	5.976	43	899140	232.677	ug/l	98
24) 1,1-Dichloroethane	5.927	63	186582	52.212	ug/l	98
25) 2-Butanone	6.909	43	124712	225.284	ug/l	99
26) 2,2-Dichloropropane	6.896	77	172279	54.202	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	119734	54.417	ug/l	97
28) Bromochloromethane	7.256	49	79145	51.923	ug/l	94
29) Tetrahydrofuran	7.274	42	80994	227.418	ug/l	94
30) Chloroform	7.433	83	186842	54.509	ug/l	99
31) Cyclohexane	7.713	56	173130	48.489	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	170179	54.115	ug/l	99
36) 1,1-Dichloropropene	7.848	75	141766	52.597	ug/l	98
37) Ethyl Acetate	6.994	43	57919	44.661	ug/l	96
38) Carbon Tetrachloride	7.829	117	150177	53.827	ug/l	98
39) Methylcyclohexane	9.122	83	190360	52.569	ug/l	94
40) Benzene	8.091	78	424335	53.106	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.256	41	39078m	45.426	ug/l	
42) 1,2-Dichloroethane	8.171	62	108617	50.267	ug/l	100
43) Isopropyl Acetate	8.207	43	128391	45.395	ug/l #	85
44) Trichloroethene	8.878	130	105676	53.190	ug/l	98
45) 1,2-Dichloropropane	9.152	63	99132	51.460	ug/l	95
46) Dibromomethane	9.238	93	53943	51.917	ug/l	99
47) Bromodichloromethane	9.433	83	140915	52.278	ug/l	100
48) Methyl methacrylate	9.231	41	58854	44.496	ug/l	93
49) 1,4-Dioxane	9.238	88	11678	994.901	ug/l	88
51) 4-Methyl-2-Pentanone	10.006	43	315171	227.107	ug/l	96
52) Toluene	10.176	92	268178	53.002	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	131043	49.816	ug/l	97
54) cis-1,3-Dichloropropene	9.865	75	154811	51.367	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	67471	50.711	ug/l	98
56) Ethyl methacrylate	10.445	69	101892	49.163	ug/l	95
57) 1,3-Dichloropropane	10.725	76	121474	51.386	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	247160	265.693	ug/l	97
59) 2-Hexanone	10.768	43	206922	222.384	ug/l	95
60) Dibromochloromethane	10.920	129	90531	52.423	ug/l	99
61) 1,2-Dibromoethane	11.024	107	64690	52.166	ug/l	100
64) Tetrachloroethene	10.652	164	118077	54.305	ug/l	97
65) Chlorobenzene	11.451	112	280913	52.931	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	94462	51.774	ug/l	99
67) Ethyl Benzene	11.524	91	525554	52.876	ug/l	99
68) m/p-Xylenes	11.633	106	399310	106.617	ug/l	96
69) o-Xylene	11.963	106	186099	52.518	ug/l	96
70) Styrene	11.975	104	311800	52.163	ug/l	98
71) Bromoform	12.139	173	49753	50.521	ug/l #	98
73) Isopropylbenzene	12.261	105	490162	53.502	ug/l	100
74) N-amyl acetate	12.078	43	119696	45.682	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	72647	51.561	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	55147m	49.223	ug/l	
77) Bromobenzene	12.542	156	102872	52.574	ug/l	97
78) n-propylbenzene	12.603	91	595455	53.885	ug/l	100
79) 2-Chlorotoluene	12.688	91	318579	52.461	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	390755	52.837	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	25898	46.827	ug/l	96
82) 4-Chlorotoluene	12.786	91	325243	52.070	ug/l	99
83) tert-Butylbenzene	13.005	119	353926	53.844	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	389894	53.109	ug/l	100
85) sec-Butylbenzene	13.182	105	534707	54.800	ug/l	100
86) p-Isopropyltoluene	13.298	119	450850	54.938	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	212275	53.142	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	202502	52.704	ug/l	99
89) n-Butylbenzene	13.621	91	429840	55.365	ug/l	100
90) Hexachloroethane	13.883	117	87959	53.097	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	176961	52.741	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11556	50.863	ug/l	93
93) 1,2,4-Trichlorobenzene	14.926	180	103673	53.492	ug/l	98
94) Hexachlorobutadiene	15.029	225	57263	52.980	ug/l	99
95) Naphthalene	15.151	128	187535	50.990	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	86200	52.428	ug/l	99

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

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