

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021588.D
 Acq On : 20 Mar 2025 17:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 03/21/2025
 Supervised By :Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:35:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	190819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	297813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	268395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88209	43.736	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.480%		
35) Dibromofluoromethane	7.634	113	86117	43.992	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.980%		
50) Toluene-d8	10.109	98	308897	41.675	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	83.360%		
62) 4-Bromofluorobenzene	12.408	95	112463	44.606	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	71709	40.951	ug/l	98
3) Chloromethane	2.068	50	109493	44.351	ug/l	99
4) Vinyl Chloride	2.202	62	126718	46.969	ug/l	98
5) Bromomethane	2.592	94	84797	43.488	ug/l	95
6) Chloroethane	2.732	64	93489	52.437	ug/l	96
7) Trichlorofluoromethane	3.056	101	175707	46.660	ug/l	97
8) Diethyl Ether	3.452	74	51176	49.039	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	101390	47.159	ug/l	98
10) Methyl Iodide	4.000	142	110442	50.535	ug/l	99
11) Tert butyl alcohol	4.854	59	30381	229.871	ug/l	99
12) 1,1-Dichloroethene	3.787	96	89605	45.714	ug/l	96
13) Acrolein	3.653	56	2708	26.398	ug/l	91
14) Allyl chloride	4.378	41	150731	47.584	ug/l	99
15) Acrylonitrile	5.055	53	113465	255.416	ug/l	98
16) Acetone	3.866	43	94946	215.840	ug/l	97
17) Carbon Disulfide	4.104	76	260159	42.351	ug/l	96
18) Methyl Acetate	4.385	43	63699	65.263	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	249565	50.234	ug/l	99
20) Methylene Chloride	4.616	84	108136	46.831	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	104333	47.528	ug/l	97
22) Diisopropyl ether	6.012	45	343033	50.249	ug/l	99
23) Vinyl Acetate	5.957	43	938318	240.843	ug/l	99
24) 1,1-Dichloroethane	5.915	63	197639	49.054	ug/l	99
25) 2-Butanone	6.890	43	145915	239.794	ug/l	100
26) 2,2-Dichloropropane	6.884	77	172572	46.551	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	122861	49.267	ug/l	98
28) Bromochloromethane	7.244	49	86263	51.069	ug/l	100
29) Tetrahydrofuran	7.256	42	95519	254.270	ug/l	100
30) Chloroform	7.421	83	210145	50.229	ug/l	98
31) Cyclohexane	7.701	56	160799	42.570	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	185017	48.298	ug/l	100
36) 1,1-Dichloropropene	7.835	75	143178	46.726	ug/l	99
37) Ethyl Acetate	6.982	43	66308	48.960	ug/l	99
38) Carbon Tetrachloride	7.817	117	164827	46.772	ug/l	97
39) Methylcyclohexane	9.109	83	171554	45.643	ug/l	98
40) Benzene	8.079	78	433987	48.079	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	35572	48.237	ug/l #	93
42) 1,2-Dichloroethane	8.158	62	124383	49.257	ug/l	100
43) Isopropyl Acetate	8.195	43	130824	49.760	ug/l #	88
44) Trichloroethene	8.865	130	111784	49.007	ug/l	96
45) 1,2-Dichloropropane	9.140	63	106032	49.356	ug/l	97
46) Dibromomethane	9.231	93	60534	50.642	ug/l	100
47) Bromodichloromethane	9.420	83	161858	50.988	ug/l	99
48) Methyl methacrylate	9.219	41	62965	52.155	ug/l	98
49) 1,4-Dioxane	9.231	88	12665	1079.467	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	347852	256.426	ug/l	100
52) Toluene	10.170	92	285465	50.162	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	141913	50.742	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	165489	49.839	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	80375	51.403	ug/l	98
56) Ethyl methacrylate	10.438	69	103153	51.727	ug/l	99
57) 1,3-Dichloropropane	10.719	76	138228	51.006	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	226088	245.599	ug/l	99
59) 2-Hexanone	10.761	43	229181	255.504	ug/l	100
60) Dibromochloromethane	10.908	129	112333	52.403	ug/l	97
61) 1,2-Dibromoethane	11.011	107	74614	50.561	ug/l	98
64) Tetrachloroethene	10.646	164	117813	53.981	ug/l	98
65) Chlorobenzene	11.438	112	304454	48.036	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	109761	48.983	ug/l	99
67) Ethyl Benzene	11.517	91	535289	48.118	ug/l	100
68) m/p-Xylenes	11.627	106	413177	97.830	ug/l	99
69) o-Xylene	11.956	106	193264	49.651	ug/l	100
70) Styrene	11.969	104	329928	51.093	ug/l	99
71) Bromoform	12.133	173	64343	51.366	ug/l #	100
73) Isopropylbenzene	12.255	105	514723	45.469	ug/l	100
74) N-amyl acetate	12.072	43	112203	45.640	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	89764	44.935	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	64158m	44.305	ug/l	
77) Bromobenzene	12.529	156	119708	45.201	ug/l	99
78) n-propylbenzene	12.597	91	628536	45.718	ug/l	100
79) 2-Chlorotoluene	12.682	91	359245	45.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	425903	46.296	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	27778	43.607	ug/l	97
82) 4-Chlorotoluene	12.779	91	372126	45.714	ug/l	100
83) tert-Butylbenzene	12.999	119	384753	46.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	429520	47.025	ug/l	99
85) sec-Butylbenzene	13.176	105	569045	46.603	ug/l	99
86) p-Isopropyltoluene	13.291	119	472407	46.961	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	239857	45.499	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	237373	46.042	ug/l	99
89) n-Butylbenzene	13.615	91	439119	47.273	ug/l	99
90) Hexachloroethane	13.883	117	98507	45.902	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	210653	46.622	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13636	45.569	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	119190	48.296	ug/l	98
94) Hexachlorobutadiene	15.023	225	76201	49.258	ug/l	99
95) Naphthalene	15.145	128	196431	47.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	101132	48.724	ug/l	99

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

