

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
 Data File : VY021314.D
 Acq On : 25 Feb 2025 15:57
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:46:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 01:41:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	180458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	283003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306215	149.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 299.160%#			
35) Dibromofluoromethane	7.634	113	283537	152.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.640%#			
50) Toluene-d8	10.103	98	1094820	152.682	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 305.360%#			
62) 4-Bromofluorobenzene	12.401	95	369071	152.937	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.880%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	259643	151.753	ug/l	99
3) Chloromethane	2.068	50	323414	146.365	ug/l	99
4) Vinyl Chloride	2.202	62	328290	151.368	ug/l	97
5) Bromomethane	2.580	94	200754	139.293	ug/l	100
6) Chloroethane	2.726	64	197463	146.820	ug/l	97
7) Trichlorofluoromethane	3.056	101	492238	150.283	ug/l	98
8) Diethyl Ether	3.452	74	154649	157.312	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	293114	154.570	ug/l	99
10) Methyl Iodide	4.000	142	338246	169.542	ug/l	99
11) Tert butyl alcohol	4.860	59	106628	677.165	ug/l	99
12) 1,1-Dichloroethene	3.787	96	280431	154.445	ug/l	98
13) Acrolein	3.647	56	17213	142.652	ug/l	96
14) Allyl chloride	4.378	41	507854	157.755	ug/l	98
15) Acrylonitrile	5.055	53	344988	793.713	ug/l	99
16) Acetone	3.860	43	280172	713.470	ug/l	97
17) Carbon Disulfide	4.104	76	908476	150.676	ug/l	99
18) Methyl Acetate	4.378	43	149226	155.496	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	763596	159.172	ug/l	100
20) Methylene Chloride	4.610	84	296032	139.409	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	308627	154.401	ug/l	98
22) Diisopropyl ether	6.018	45	1028788	154.433	ug/l	96
23) Vinyl Acetate	5.957	43	3191401	801.685	ug/l	99
24) 1,1-Dichloroethane	5.915	63	572832	152.564	ug/l	98
25) 2-Butanone	6.890	43	462541	780.449	ug/l	97
26) 2,2-Dichloropropane	6.884	77	515178	151.214	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	354979	155.519	ug/l	99
28) Bromochloromethane	7.244	49	251245	151.227	ug/l	99
29) Tetrahydrofuran	7.256	42	309130	797.978	ug/l	99
30) Chloroform	7.421	83	574920	151.112	ug/l	100
31) Cyclohexane	7.695	56	525636	145.637	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	529792	152.986	ug/l	99
36) 1,1-Dichloropropene	7.835	75	429157	153.985	ug/l	100
37) Ethyl Acetate	6.982	43	216920	156.470	ug/l	100
38) Carbon Tetrachloride	7.817	117	481774	153.764	ug/l	99
39) Methylcyclohexane	9.103	83	563132	159.752	ug/l	97
40) Benzene	8.079	78	1249573	151.673	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	123663	159.542	ug/l	95
42) 1,2-Dichloroethane	8.152	62	355374	152.036	ug/l	99
43) Isopropyl Acetate	8.195	43	433742	161.641	ug/l	98
44) Trichloroethene	8.865	130	318590	154.457	ug/l	99
45) 1,2-Dichloropropane	9.140	63	302967	152.809	ug/l	99
46) Dibromomethane	9.231	93	168654	155.620	ug/l	99
47) Bromodichloromethane	9.420	83	448398	155.172	ug/l	99
48) Methyl methacrylate	9.219	41	213222	169.923	ug/l	100
49) 1,4-Dioxane	9.225	88	38142	3165.209	ug/l	93
51) 4-Methyl-2-Pentanone	9.993	43	1121500	816.471	ug/l	100
52) Toluene	10.170	92	794485	155.232	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	432560	163.384	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	493601	157.928	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	215312	152.506	ug/l	98
56) Ethyl methacrylate	10.438	69	337816	173.168	ug/l	99
57) 1,3-Dichloropropane	10.713	76	385803	155.726	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	761125	812.859	ug/l	100
59) 2-Hexanone	10.755	43	754575	836.458	ug/l	98
60) Dibromochloromethane	10.908	129	299188	155.598	ug/l	99
61) 1,2-Dibromoethane	11.011	107	208046	155.651	ug/l	99
64) Tetrachloroethene	10.646	164	288026	153.351	ug/l	98
65) Chlorobenzene	11.438	112	863676	154.837	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	301244	154.234	ug/l	100
67) Ethyl Benzene	11.517	91	1576743	159.586	ug/l	100
68) m/p-Xylenes	11.627	106	1167839	314.246	ug/l	100
69) o-Xylene	11.950	106	550972	158.258	ug/l	99
70) Styrene	11.969	104	936967	161.754	ug/l	100
71) Bromoform	12.133	173	175918	157.441	ug/l #	99
73) Isopropylbenzene	12.255	105	1461905	159.969	ug/l	99
74) N-amyl acetate	12.066	43	403238	173.596	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	251216	155.759	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	179622m	146.733	ug/l	
77) Bromobenzene	12.529	156	333772	157.025	ug/l	99
78) n-propylbenzene	12.597	91	1765636	159.217	ug/l	100
79) 2-Chlorotoluene	12.682	91	995452	156.411	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1190462	158.830	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	92910	169.722	ug/l	98
82) 4-Chlorotoluene	12.779	91	1021811	154.883	ug/l	100
83) tert-Butylbenzene	12.999	119	1094125	161.602	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1192062	159.915	ug/l	99
85) sec-Butylbenzene	13.176	105	1558540	157.594	ug/l	100
86) p-Isopropyltoluene	13.291	119	1327819	160.795	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	648204	154.161	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	635981	153.109	ug/l	100
89) n-Butylbenzene	13.615	91	1269399	163.350	ug/l	99
90) Hexachloroethane	13.877	117	275368	159.641	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	570360	154.826	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	42060	164.851	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	384163	170.860	ug/l	99
94) Hexachlorobutadiene	15.023	225	224602	158.670	ug/l	99
95) Naphthalene	15.145	128	694625	186.517	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	326876	172.067	ug/l	99

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

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