

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021325\
 Data File : VY021196.D
 Acq On : 13 Feb 2025 17:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 14 00:46:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/14/2025
 Supervised By :Mahesh Dadoda 02/14/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	116725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	176396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	158990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	83472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	64357	53.813	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.620%			
35) Dibromofluoromethane	7.634	113	59497	52.631	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.260%			
50) Toluene-d8	10.109	98	226947	52.732	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.460%			
62) 4-Bromofluorobenzene	12.408	95	78664	55.948	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	53396	51.325	ug/l	99
3) Chloromethane	2.068	50	51993	50.646	ug/l	95
4) Vinyl Chloride	2.202	62	53729	51.998	ug/l	98
5) Bromomethane	2.599	94	31232	48.904	ug/l	100
6) Chloroethane	2.733	64	32810	53.341	ug/l	99
7) Trichlorofluoromethane	3.062	101	99559	52.887	ug/l	97
8) Diethyl Ether	3.458	74	30574	52.026	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	63501	53.747	ug/l	97
10) Methyl Iodide	4.007	142	66814	50.902	ug/l	91
11) Tert butyl alcohol	4.854	59	21872	269.880	ug/l	98
12) 1,1-Dichloroethene	3.793	96	57839	51.969	ug/l	93
13) Acrolein	3.653	56	18764	150.355	ug/l	99
14) Allyl chloride	4.385	41	99508	53.051	ug/l	93
15) Acrylonitrile	5.061	53	69901	285.641	ug/l	98
16) Acetone	3.873	43	53045	284.417	ug/l	93
17) Carbon Disulfide	4.110	76	171901	49.257	ug/l	99
18) Methyl Acetate	4.385	43	39219	59.903	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	156061	55.478	ug/l	98
20) Methylene Chloride	4.616	84	61117	52.714	ug/l	92
21) trans-1,2-Dichloroethene	5.122	96	63475	51.813	ug/l	95
22) Diisopropyl ether	6.019	45	218354	56.477	ug/l	97
23) Vinyl Acetate	5.964	43	616543	286.063	ug/l	98
24) 1,1-Dichloroethane	5.921	63	123238	54.405	ug/l	99
25) 2-Butanone	6.890	43	89764	292.890	ug/l	99
26) 2,2-Dichloropropane	6.884	77	112808	53.822	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	74646	52.936	ug/l	92
28) Bromochloromethane	7.250	49	51390	57.373	ug/l	96
29) Tetrahydrofuran	7.262	42	61325	295.710	ug/l	94
30) Chloroform	7.421	83	127027	54.596	ug/l	99
31) Cyclohexane	7.701	56	103193	50.589	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	117978	54.539	ug/l	99
36) 1,1-Dichloropropene	7.835	75	90492	54.044	ug/l	99
37) Ethyl Acetate	6.982	43	43386	59.065	ug/l	99
38) Carbon Tetrachloride	7.817	117	107554	54.973	ug/l	96
39) Methylcyclohexane	9.110	83	110702	54.051	ug/l	97
40) Benzene	8.079	78	271176	55.187	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	25086	59.031	ug/l	93
42) 1,2-Dichloroethane	8.159	62	77359	56.752	ug/l	97
43) Isopropyl Acetate	8.201	43	85804	58.787	ug/l	95
44) Trichloroethene	8.866	130	66171	52.122	ug/l	96
45) 1,2-Dichloropropane	9.140	63	65429	56.100	ug/l	99
46) Dibromomethane	9.231	93	35662	55.225	ug/l	97
47) Bromodichloromethane	9.427	83	98769	57.030	ug/l	96
48) Methyl methacrylate	9.219	41	41584	62.547	ug/l	91
49) 1,4-Dioxane	9.225	88	7461	1241.127	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	225566	307.323	ug/l	96
52) Toluene	10.170	92	171174	55.479	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	91227	58.664	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	104142	56.560	ug/l #	91
55) 1,1,2-Trichloroethane	10.573	97	47238	56.490	ug/l	98
56) Ethyl methacrylate	10.439	69	66078	59.069	ug/l	90
57) 1,3-Dichloropropane	10.719	76	83411	57.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	134610	252.932	ug/l	99
59) 2-Hexanone	10.762	43	147917	313.003	ug/l	95
60) Dibromochloromethane	10.914	129	66817	56.898	ug/l	98
61) 1,2-Dibromoethane	11.018	107	43589	55.651	ug/l	100
64) Tetrachloroethene	10.646	164	61314	51.950	ug/l	97
65) Chlorobenzene	11.445	112	185715	52.459	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	66771	53.074	ug/l	97
67) Ethyl Benzene	11.518	91	337129	53.840	ug/l	98
68) m/p-Xylenes	11.627	106	252041	107.596	ug/l	97
69) o-Xylene	11.957	106	117854	53.964	ug/l	96
70) Styrene	11.969	104	201760	55.429	ug/l	98
71) Bromoform	12.133	173	40090	57.249	ug/l #	100
73) Isopropylbenzene	12.255	105	324579	49.779	ug/l	100
74) N-amyl acetate	12.072	43	77479	54.351	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	54543	50.297	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	35071m	46.317	ug/l	
77) Bromobenzene	12.530	156	74231	49.334	ug/l	95
78) n-propylbenzene	12.597	91	394776	50.826	ug/l	99
79) 2-Chlorotoluene	12.682	91	219223	49.279	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	267681	50.635	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	18465	49.759	ug/l	92
82) 4-Chlorotoluene	12.780	91	229775	50.695	ug/l	99
83) tert-Butylbenzene	12.999	119	242156	50.395	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	265230	51.312	ug/l	99
85) sec-Butylbenzene	13.176	105	353695	51.135	ug/l	98
86) p-Isopropyltoluene	13.292	119	296839	51.663	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	146105	50.289	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	141813	49.574	ug/l	98
89) n-Butylbenzene	13.621	91	277301	52.903	ug/l	99
90) Hexachloroethane	13.883	117	60049	50.097	ug/l	87
91) 1,2-Dichlorobenzene	13.658	146	126881	50.316	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	8556	52.798	ug/l	92
93) 1,2,4-Trichlorobenzene	14.926	180	73514	52.374	ug/l	99
94) Hexachlorobutadiene	15.029	225	47714	51.297	ug/l	99
95) Naphthalene	15.145	128	121108	53.931	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	61384	52.550	ug/l	97

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

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