

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021425\
 Data File : VY021211.D
 Acq On : 14 Feb 2025 16:17
 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 22:21:11 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

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	120933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	191359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	171505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	88192	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	61923	49.976	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.960%
35) Dibromofluoromethane	7.640	113	59385	48.424	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.840%
50) Toluene-d8	10.115	98	226199	48.449	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.900%
62) 4-Bromofluorobenzene	12.414	95	77982	51.126	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.260%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	47950	44.487	ug/l	98
3) Chloromethane	2.074	50	51850	48.750	ug/l	96
4) Vinyl Chloride	2.214	62	51618	48.217	ug/l	99
5) Bromomethane	2.604	94	31448	47.529	ug/l	100
6) Chloroethane	2.745	64	31762	49.841	ug/l	97
7) Trichlorofluoromethane	3.068	101	86668	44.437	ug/l	99
8) Diethyl Ether	3.464	74	28446	46.721	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.830	101	56025	45.769	ug/l	96
10) Methyl Iodide	4.019	142	62734	46.131	ug/l	91
11) Tert butyl alcohol	4.866	59	16636	198.130	ug/l	96
12) 1,1-Dichloroethene	3.799	96	52755	45.752	ug/l	93
13) Acrolein	3.659	56	17761	137.366	ug/l	98
14) Allyl chloride	4.397	41	96603	49.710	ug/l	93
15) Acrylonitrile	5.067	53	62533	246.641	ug/l	99
16) Acetone	3.879	43	45888	237.481	ug/l	97
17) Carbon Disulfide	4.116	76	156765	43.357	ug/l	99
18) Methyl Acetate	4.397	43	33756	49.765	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	138228	47.429	ug/l	99
20) Methylene Chloride	4.628	84	58403	48.620	ug/l	88
21) trans-1,2-Dichloroethene	5.128	96	60573	47.724	ug/l	95
22) Diisopropyl ether	6.031	45	206792	51.626	ug/l	97
23) Vinyl Acetate	5.970	43	549633	246.144	ug/l	98
24) 1,1-Dichloroethane	5.927	63	117129	49.909	ug/l	99
25) 2-Butanone	6.902	43	74508	234.652	ug/l	95
26) 2,2-Dichloropropane	6.896	77	96560	44.467	ug/l	98
27) cis-1,2-Dichloroethene	6.909	96	71984	49.272	ug/l	95
28) Bromochloromethane	7.256	49	48786	52.571	ug/l	98
29) Tetrahydrofuran	7.274	42	51594	240.130	ug/l	93
30) Chloroform	7.433	83	120287	49.900	ug/l	100
31) Cyclohexane	7.713	56	92394	43.719	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	109459	48.840	ug/l	100
36) 1,1-Dichloropropene	7.847	75	82540	45.440	ug/l	99
37) Ethyl Acetate	7.000	43	36073	45.269	ug/l	98
38) Carbon Tetrachloride	7.829	117	99311	46.791	ug/l	99
39) Methylcyclohexane	9.115	83	99600	44.827	ug/l	98
40) Benzene	8.091	78	256499	48.118	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	20686	44.871	ug/l	93
42) 1,2-Dichloroethane	8.164	62	70647	47.776	ug/l	98
43) Isopropyl Acetate	8.207	43	73500	46.420	ug/l #	86
44) Trichloroethene	8.872	130	62753	45.565	ug/l	95
45) 1,2-Dichloropropane	9.152	63	61920	48.940	ug/l	99
46) Dibromomethane	9.237	93	33454	47.755	ug/l	97
47) Bromodichloromethane	9.432	83	91936	48.934	ug/l	97
48) Methyl methacrylate	9.225	41	34552	47.906	ug/l	93
49) 1,4-Dioxane	9.237	88	6688	1025.546	ug/l	91
51) 4-Methyl-2-Pentanone	10.006	43	187115	235.001	ug/l	94
52) Toluene	10.176	92	161767	48.330	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	79460	47.102	ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	95819	47.971	ug/l #	91
55) 1,1,2-Trichloroethane	10.579	97	43922	48.418	ug/l	98
56) Ethyl methacrylate	10.444	69	57467	47.354	ug/l	90
57) 1,3-Dichloropropane	10.725	76	75265	47.935	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	140685	243.677	ug/l	98
59) 2-Hexanone	10.768	43	122770	239.476	ug/l	94
60) Dibromochloromethane	10.920	129	60429	47.435	ug/l	99
61) 1,2-Dibromoethane	11.024	107	39670	46.687	ug/l	99
64) Tetrachloroethene	10.652	164	55165	43.329	ug/l	98
65) Chlorobenzene	11.450	112	175913	46.064	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	63489	46.782	ug/l	97
67) Ethyl Benzene	11.524	91	317120	46.949	ug/l	98
68) m/p-Xylenes	11.633	106	235552	93.219	ug/l	96
69) o-Xylene	11.962	106	112067	47.569	ug/l	98
70) Styrene	11.975	104	190725	48.574	ug/l	98
71) Bromoform	12.139	173	34600	45.804	ug/l #	98
73) Isopropylbenzene	12.261	105	301768	43.804	ug/l	100
74) N-amyl acetate	12.078	43	65464	43.465	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	48509	42.339	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	37701m	47.126	ug/l	
77) Bromobenzene	12.542	156	69070	43.447	ug/l	93
78) n-propylbenzene	12.603	91	363893	44.342	ug/l	99
79) 2-Chlorotoluene	12.688	91	208043	44.263	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	249242	44.624	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	15813	40.332	ug/l	95
82) 4-Chlorotoluene	12.786	91	209441	43.735	ug/l	100
83) tert-Butylbenzene	13.005	119	224152	44.152	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	248852	45.567	ug/l	99
85) sec-Butylbenzene	13.182	105	322375	44.112	ug/l	98
86) p-Isopropyltoluene	13.298	119	273079	44.984	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	135081	44.006	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	132389	43.803	ug/l	99
89) n-Butylbenzene	13.627	91	251987	45.501	ug/l	99
90) Hexachloroethane	13.889	117	57464	45.375	ug/l	87
91) 1,2-Dichlorobenzene	13.669	146	118197	44.364	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	7153	41.778	ug/l	99
93) 1,2,4-Trichlorobenzene	14.931	180	69173	46.644	ug/l	99
94) Hexachlorobutadiene	15.035	225	46059	46.868	ug/l	98
95) Naphthalene	15.151	128	113047	47.647	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	59613	48.303	ug/l	99

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

