

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
 Data File : VY021245.D
 Acq On : 19 Feb 2025 18:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/20/2025
 Supervised By :Mahesh Dadoda 02/20/2025

Quant Time: Feb 20 00:22:08 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	7.713	168	165417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	263329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	229757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	116229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	88101	51.982	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.960%			
35) Dibromofluoromethane	7.646	113	84971	50.351	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.700%			
50) Toluene-d8	10.109	98	314603	48.967	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.940%			
62) 4-Bromofluorobenzene	12.407	95	111317	53.035	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	68125	46.207	ug/l	94
3) Chloromethane	2.074	50	77616	53.350	ug/l	98
4) Vinyl Chloride	2.208	62	81998	55.997	ug/l	98
5) Bromomethane	2.604	94	51477	56.877	ug/l	95
6) Chloroethane	2.745	64	53243	61.081	ug/l	97
7) Trichlorofluoromethane	3.068	101	139644	52.345	ug/l	100
8) Diethyl Ether	3.464	74	46675	56.045	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	85745	51.211	ug/l	96
10) Methyl Iodide	4.013	142	96299	51.770	ug/l	93
11) Tert butyl alcohol	4.878	59	30610	266.519	ug/l	98
12) 1,1-Dichloroethene	3.799	96	80071	50.767	ug/l	89
13) Acrolein	3.659	56	34023	192.376	ug/l	98
14) Allyl chloride	4.397	41	147780	55.595	ug/l	95
15) Acrylonitrile	5.067	53	105365	303.821	ug/l	99
16) Acetone	3.878	43	78384	296.567	ug/l	96
17) Carbon Disulfide	4.116	76	224522	45.397	ug/l	98
18) Methyl Acetate	4.397	43	61425	66.203	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	234150	58.736	ug/l	98
20) Methylene Chloride	4.628	84	93932	57.169	ug/l	88
21) trans-1,2-Dichloroethene	5.122	96	89402	51.495	ug/l	91
22) Diisopropyl ether	6.024	45	328775	60.006	ug/l	97
23) Vinyl Acetate	5.970	43	911621	298.467	ug/l	98
24) 1,1-Dichloroethane	5.927	63	178918	55.736	ug/l	97
25) 2-Butanone	6.902	43	133426	307.203	ug/l	100
26) 2,2-Dichloropropane	6.896	77	153504	51.680	ug/l	96
27) cis-1,2-Dichloroethene	6.902	96	110153	55.122	ug/l	94
28) Bromochloromethane	7.256	49	72467	57.089	ug/l	96
29) Tetrahydrofuran	7.268	42	90360	307.460	ug/l	95
30) Chloroform	7.427	83	184343	55.908	ug/l	99
31) Cyclohexane	7.713	56	140823	48.715	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	162598	53.040	ug/l	100
36) 1,1-Dichloropropene	7.841	75	125097	50.046	ug/l	99
37) Ethyl Acetate	6.994	43	64705	59.007	ug/l	97
38) Carbon Tetrachloride	7.823	117	146445	50.141	ug/l	98
39) Methylcyclohexane	9.115	83	151836	49.660	ug/l	98
40) Benzene	8.085	78	387558	52.834	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	38035	59.955	ug/l	96
42) 1,2-Dichloroethane	8.164	62	111164	54.630	ug/l	97
43) Isopropyl Acetate	8.201	43	128687	59.061	ug/l	96
44) Trichloroethene	8.871	130	95421	50.349	ug/l	94
45) 1,2-Dichloropropane	9.146	63	96514	55.433	ug/l	97
46) Dibromomethane	9.237	93	52073	54.018	ug/l	97
47) Bromodichloromethane	9.426	83	142381	55.072	ug/l	96
48) Methyl methacrylate	9.225	41	60459	60.916	ug/l	94
49) 1,4-Dioxane	9.237	88	10699	1192.209	ug/l	91
51) 4-Methyl-2-Pentanone	10.005	43	334517	305.302	ug/l	97
52) Toluene	10.176	92	243403	52.845	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	130776	56.333	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	152060	55.321	ug/l #	92
55) 1,1,2-Trichloroethane	10.579	97	69894	55.990	ug/l	99
56) Ethyl methacrylate	10.444	69	100897	60.418	ug/l	88
57) 1,3-Dichloropropane	10.725	76	121459	56.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	232635	292.814	ug/l	99
59) 2-Hexanone	10.767	43	222547	315.458	ug/l	95
60) Dibromochloromethane	10.914	129	95808	54.651	ug/l	99
61) 1,2-Dibromoethane	11.017	107	64150	54.863	ug/l	100
64) Tetrachloroethene	10.652	164	82866	48.585	ug/l	97
65) Chlorobenzene	11.444	112	266534	52.099	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.523	131	97033	53.372	ug/l	98
67) Ethyl Benzene	11.523	91	476554	52.665	ug/l	98
68) m/p-Xylenes	11.633	106	352761	104.209	ug/l	96
69) o-Xylene	11.956	106	168625	53.429	ug/l	97
70) Styrene	11.975	104	285969	54.365	ug/l	98
71) Bromoform	12.139	173	55594	54.936	ug/l #	98
73) Isopropylbenzene	12.261	105	447834	49.326	ug/l	99
74) N-amyl acetate	12.072	43	114723	57.796	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	79491	52.644	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	56205m	53.308	ug/l	
77) Bromobenzene	12.535	156	103017	49.169	ug/l	97
78) n-propylbenzene	12.603	91	539445	49.878	ug/l	99
79) 2-Chlorotoluene	12.688	91	309867	50.023	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	365700	49.680	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	27332	52.896	ug/l	97
82) 4-Chlorotoluene	12.779	91	316493	50.148	ug/l	99
83) tert-Butylbenzene	13.005	119	336692	50.321	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	364939	50.704	ug/l	100
85) sec-Butylbenzene	13.182	105	478716	49.704	ug/l	99
86) p-Isopropyltoluene	13.298	119	395546	49.440	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	201146	49.722	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	194880	48.925	ug/l	99
89) n-Butylbenzene	13.621	91	368108	50.435	ug/l	99
90) Hexachloroethane	13.883	117	83620	50.100	ug/l	87
91) 1,2-Dichlorobenzene	13.663	146	176618	50.301	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11631	51.546	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	103377	52.893	ug/l	99
94) Hexachlorobutadiene	15.029	225	63868	49.312	ug/l	98
95) Naphthalene	15.151	128	180305	57.663	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	87654	53.891	ug/l	98

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

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