

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021125\
 Data File : VY021173.D
 Acq On : 11 Feb 2025 16:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 01:03:57 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	116313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	197467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	180137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	90986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	61854	51.903	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.800%			
35) Dibromofluoromethane	7.640	113	56739	44.835	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.680%			
50) Toluene-d8	10.109	98	207870	43.146	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.300%			
62) 4-Bromofluorobenzene	12.408	95	74957	47.623	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48994	47.261	ug/l	96
3) Chloromethane	2.074	50	53833	52.624	ug/l	96
4) Vinyl Chloride	2.208	62	51500	50.017	ug/l	99
5) Bromomethane	2.605	94	32544	51.139	ug/l	99
6) Chloroethane	2.745	64	32725	53.392	ug/l	99
7) Trichlorofluoromethane	3.068	101	88488	47.172	ug/l	99
8) Diethyl Ether	3.464	74	34126	58.276	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	53702	45.614	ug/l	96
10) Methyl Iodide	4.013	142	70142	53.627	ug/l	91
11) Tert butyl alcohol	4.872	59	21589	267.331	ug/l	100
12) 1,1-Dichloroethene	3.793	96	55246	49.815	ug/l	93
13) Acrolein	3.665	56	18056	145.195	ug/l	98
14) Allyl chloride	4.391	41	96652	51.711	ug/l	94
15) Acrylonitrile	5.074	53	76677	314.441	ug/l	98
16) Acetone	3.879	43	58169	312.996	ug/l	92
17) Carbon Disulfide	4.117	76	173408	49.864	ug/l	99
18) Methyl Acetate	4.391	43	44702	68.519	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	171654	61.238	ug/l	99
20) Methylene Chloride	4.623	84	66227	57.323	ug/l	90
21) trans-1,2-Dichloroethene	5.122	96	65393	53.568	ug/l	94
22) Diisopropyl ether	6.025	45	233948	60.725	ug/l	98
23) Vinyl Acetate	5.970	43	649816	302.568	ug/l	98
24) 1,1-Dichloroethane	5.927	63	128759	57.044	ug/l	98
25) 2-Butanone	6.903	43	97222	318.348	ug/l	99
26) 2,2-Dichloropropane	6.890	77	63354	30.334	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	79234	56.389	ug/l	98
28) Bromochloromethane	7.250	49	55292	61.948	ug/l	98
29) Tetrahydrofuran	7.268	42	67496	326.620	ug/l	93
30) Chloroform	7.427	83	135533	58.458	ug/l	98
31) Cyclohexane	7.707	56	91721	45.124	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	115802	53.723	ug/l	99
36) 1,1-Dichloropropene	7.841	75	87666	46.769	ug/l	99
37) Ethyl Acetate	6.988	43	46784	56.895	ug/l	99
38) Carbon Tetrachloride	7.823	117	102837	46.954	ug/l	98
39) Methylcyclohexane	9.116	83	96704	42.178	ug/l	99
40) Benzene	8.085	78	280816	51.051	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	20181	42.422	ug/l #	80
42) 1,2-Dichloroethane	8.165	62	84692	55.502	ug/l	96
43) Isopropyl Acetate	8.201	43	94144	57.619	ug/l	96
44) Trichloroethene	8.872	130	68903	48.483	ug/l	94
45) 1,2-Dichloropropane	9.146	63	69977	53.597	ug/l	98
46) Dibromomethane	9.238	93	39635	54.829	ug/l	97
47) Bromodichloromethane	9.427	83	104846	54.079	ug/l	98
48) Methyl methacrylate	9.225	41	44691	60.048	ug/l	91
49) 1,4-Dioxane	9.238	88	7924	1177.492	ug/l	91
51) 4-Methyl-2-Pentanone	10.000	43	246294	299.757	ug/l	95
52) Toluene	10.176	92	179543	51.982	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	83359	47.884	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	96403	46.770	ug/l #	91
55) 1,1,2-Trichloroethane	10.573	97	51816	55.353	ug/l	98
56) Ethyl methacrylate	10.445	69	72935	58.241	ug/l	90
57) 1,3-Dichloropropane	10.719	76	92229	56.922	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	124136	208.362	ug/l	99
59) 2-Hexanone	10.762	43	164155	310.298	ug/l	95
60) Dibromochloromethane	10.914	129	72238	54.950	ug/l	99
61) 1,2-Dibromoethane	11.018	107	48667	55.504	ug/l	99
64) Tetrachloroethene	10.652	164	58239	43.551	ug/l	96
65) Chlorobenzene	11.445	112	198027	49.370	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	71365	50.066	ug/l	97
67) Ethyl Benzene	11.524	91	342560	48.285	ug/l	98
68) m/p-Xylenes	11.633	106	256370	96.596	ug/l	97
69) o-Xylene	11.957	106	124761	50.420	ug/l	97
70) Styrene	11.975	104	213241	51.705	ug/l	98
71) Bromoform	12.133	173	42791	53.932	ug/l #	98
73) Isopropylbenzene	12.261	105	319435	44.945	ug/l	100
74) N-amyl acetate	12.072	43	82484	53.083	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	60305	51.018	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	40893m	49.546	ug/l	
77) Bromobenzene	12.536	156	78127	47.635	ug/l	93
78) n-propylbenzene	12.597	91	378232	44.674	ug/l	99
79) 2-Chlorotoluene	12.682	91	223478	46.086	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	266416	46.234	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14597	36.087	ug/l	96
82) 4-Chlorotoluene	12.780	91	229982	46.550	ug/l	100
83) tert-Butylbenzene	12.999	119	230066	43.925	ug/l	95
84) 1,2,4-Trimethylbenzene	13.048	105	266641	47.325	ug/l	100
85) sec-Butylbenzene	13.182	105	327109	43.386	ug/l	98
86) p-Isopropyltoluene	13.298	119	273973	43.745	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	148079	46.759	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	145203	46.567	ug/l	98
89) n-Butylbenzene	13.621	91	247425	43.305	ug/l	99
90) Hexachloroethane	13.883	117	60533	46.330	ug/l	87
91) 1,2-Dichlorobenzene	13.664	146	133204	48.461	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	9528	53.941	ug/l	95
93) 1,2,4-Trichlorobenzene	14.926	180	72696	47.514	ug/l	99
94) Hexachlorobutadiene	15.029	225	43369	42.775	ug/l	99
95) Naphthalene	15.151	128	136837	55.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	64221	50.439	ug/l	98

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

