

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021474.D
 Acq On : 11 Mar 2025 09:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/12/2025
 Supervised By :Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 01:22:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	243763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	363423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	331214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	170654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	99275	38.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.060%		
35) Dibromofluoromethane	7.634	113	95332	39.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	79.820%		
50) Toluene-d8	10.109	98	352803	39.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	78.020%		
62) 4-Bromofluorobenzene	12.408	95	124309	40.403	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	98364	43.973	ug/l	97
3) Chloromethane	2.068	50	150856	47.834	ug/l	98
4) Vinyl Chloride	2.202	62	174765	50.709	ug/l	100
5) Bromomethane	2.592	94	113739	45.662	ug/l	95
6) Chloroethane	2.733	64	118189	51.893	ug/l	95
7) Trichlorofluoromethane	3.056	101	240284	49.950	ug/l	99
8) Diethyl Ether	3.452	74	62964	47.231	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	128513	46.792	ug/l	99
10) Methyl Iodide	4.007	142	146826	52.592	ug/l	99
11) Tert butyl alcohol	4.866	59	40478	240.812	ug/l	99
12) 1,1-Dichloroethene	3.787	96	116565	46.552	ug/l	97
13) Acrolein	3.653	56	4875	37.200	ug/l	85
14) Allyl chloride	4.385	41	190284	47.024	ug/l	100
15) Acrylonitrile	5.055	53	140620	247.791	ug/l	99
16) Acetone	3.873	43	121409	216.052	ug/l	95
17) Carbon Disulfide	4.104	76	362072	46.140	ug/l	99
18) Methyl Acetate	4.385	43	70320	56.398	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	310956	48.996	ug/l	99
20) Methylene Chloride	4.616	84	128918	43.705	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	132644	47.301	ug/l	93
22) Diisopropyl ether	6.019	45	418935	48.039	ug/l	98
23) Vinyl Acetate	5.958	43	1222965	245.726	ug/l	99
24) 1,1-Dichloroethane	5.915	63	241734	46.967	ug/l	99
25) 2-Butanone	6.890	43	182977	235.390	ug/l	100
26) 2,2-Dichloropropane	6.884	77	220877	46.640	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	152664	47.921	ug/l	98
28) Bromochloromethane	7.244	49	103206	47.829	ug/l	99
29) Tetrahydrofuran	7.262	42	121085	252.319	ug/l	99
30) Chloroform	7.421	83	252820	47.304	ug/l	99
31) Cyclohexane	7.701	56	213401	44.226	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	231730	47.353	ug/l	100
36) 1,1-Dichloropropene	7.835	75	182671	48.852	ug/l	99
37) Ethyl Acetate	6.982	43	83257	50.376	ug/l	99
38) Carbon Tetrachloride	7.817	117	212962	49.521	ug/l	99
39) Methylcyclohexane	9.109	83	225796	49.229	ug/l	99
40) Benzene	8.079	78	541879	49.194	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	50642	56.275	ug/l #	89
42) 1,2-Dichloroethane	8.158	62	153676	49.870	ug/l	99
43) Isopropyl Acetate	8.195	43	158523	49.410	ug/l	99
44) Trichloroethene	8.866	130	136201	48.932	ug/l	97
45) 1,2-Dichloropropane	9.140	63	129356	49.342	ug/l	97
46) Dibromomethane	9.231	93	74006	50.735	ug/l	99
47) Bromodichloromethane	9.420	83	194205	50.133	ug/l	100
48) Methyl methacrylate	9.219	41	77638	52.699	ug/l	99
49) 1,4-Dioxane	9.231	88	16834	1175.771	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	442138	267.090	ug/l	100
52) Toluene	10.170	92	346735	49.929	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	176129	51.607	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	204113	50.373	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	97475	51.085	ug/l	97
56) Ethyl methacrylate	10.438	69	131351	53.976	ug/l	98
57) 1,3-Dichloropropane	10.719	76	168838	51.054	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	311957	277.699	ug/l	99
59) 2-Hexanone	10.762	43	300779	274.788	ug/l	100
60) Dibromochloromethane	10.914	129	133595	51.071	ug/l	99
61) 1,2-Dibromoethane	11.018	107	92057	51.119	ug/l	99
64) Tetrachloroethene	10.646	164	132468	49.184	ug/l	99
65) Chlorobenzene	11.444	112	375353	47.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	135325	48.937	ug/l	99
67) Ethyl Benzene	11.518	91	673462	49.057	ug/l	99
68) m/p-Xylenes	11.633	106	513472	98.518	ug/l	98
69) o-Xylene	11.956	106	240732	50.116	ug/l	99
70) Styrene	11.969	104	406424	51.002	ug/l	100
71) Bromoform	12.133	173	79790	51.617	ug/l #	100
73) Isopropylbenzene	12.255	105	647673	48.180	ug/l	100
74) N-amyl acetate	12.072	43	147238	50.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	112883	47.586	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	87128m	50.666	ug/l	
77) Bromobenzene	12.536	156	151714	48.241	ug/l	97
78) n-propylbenzene	12.597	91	790513	48.420	ug/l	100
79) 2-Chlorotoluene	12.682	91	444946	47.664	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	536685	49.127	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	35896	47.453	ug/l	99
82) 4-Chlorotoluene	12.780	91	457984	47.377	ug/l	99
83) tert-Butylbenzene	12.999	119	474686	48.707	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	533222	49.160	ug/l	100
85) sec-Butylbenzene	13.176	105	707877	48.819	ug/l	99
86) p-Isopropyltoluene	13.292	119	593071	49.646	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	298049	47.610	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	293985	48.018	ug/l	98
89) n-Butylbenzene	13.621	91	552449	50.082	ug/l	99
90) Hexachloroethane	13.883	117	120490	47.280	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	261963	48.823	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	17946	50.503	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	156265	53.321	ug/l	99
94) Hexachlorobutadiene	15.029	225	93232	50.750	ug/l	99
95) Naphthalene	15.145	128	266062	53.275	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	131614	53.397	ug/l	99

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

