

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021344.D
 Acq On : 26 Feb 2025 20:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:45:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	209132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	343428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	305969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110600	46.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.240%		
35) Dibromofluoromethane	7.634	113	102286	45.429	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.860%		
50) Toluene-d8	10.103	98	388525	44.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.300%		
62) 4-Bromofluorobenzene	12.408	95	131584	44.933	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	89202	44.987	ug/l	100
3) Chloromethane	2.068	50	118305	46.199	ug/l	100
4) Vinyl Chloride	2.202	62	120584	47.976	ug/l	98
5) Bromomethane	2.592	94	79891	47.832	ug/l	99
6) Chloroethane	2.733	64	78213	50.180	ug/l	98
7) Trichlorofluoromethane	3.056	101	182167	47.991	ug/l	98
8) Diethyl Ether	3.452	74	60683	53.265	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	103386	47.044	ug/l	99
10) Methyl Iodide	4.007	142	132681	57.386	ug/l	99
11) Tert butyl alcohol	4.854	59	42284	231.715	ug/l	99
12) 1,1-Dichloroethene	3.787	96	102196	48.566	ug/l	99
13) Acrolein	3.653	56	6424	45.939	ug/l	96
14) Allyl chloride	4.385	41	183341	49.143	ug/l	99
15) Acrylonitrile	5.055	53	130861	259.792	ug/l	99
16) Acetone	3.866	43	102355	224.914	ug/l	98
17) Carbon Disulfide	4.104	76	340079	48.671	ug/l	100
18) Methyl Acetate	4.385	43	59440	53.445	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	300902	54.123	ug/l	100
20) Methylene Chloride	4.616	84	118498	48.152	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	118319	51.077	ug/l	97
22) Diisopropyl ether	6.019	45	402879	52.185	ug/l	98
23) Vinyl Acetate	5.958	43	1195161	259.062	ug/l	100
24) 1,1-Dichloroethane	5.915	63	219734	50.498	ug/l	99
25) 2-Butanone	6.890	43	173965	253.286	ug/l	99
26) 2,2-Dichloropropane	6.884	77	170930	43.292	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	138734	52.447	ug/l	97
28) Bromochloromethane	7.244	49	93313	48.465	ug/l	97
29) Tetrahydrofuran	7.262	42	117269	261.209	ug/l	99
30) Chloroform	7.421	83	226821	51.443	ug/l	99
31) Cyclohexane	7.701	56	184463	44.101	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	200425	49.940	ug/l	98
36) 1,1-Dichloropropene	7.835	75	158713	46.928	ug/l	99
37) Ethyl Acetate	6.982	43	82433	48.999	ug/l	99
38) Carbon Tetrachloride	7.817	117	178448	46.933	ug/l	99
39) Methylcyclohexane	9.109	83	191242	44.707	ug/l	99
40) Benzene	8.079	78	488113	48.823	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	50830	54.039	ug/l	93
42) 1,2-Dichloroethane	8.158	62	143731	50.672	ug/l	99
43) Isopropyl Acetate	8.195	43	162361	49.861	ug/l	99
44) Trichloroethene	8.866	130	120825	48.271	ug/l	99
45) 1,2-Dichloropropane	9.140	63	117257	48.736	ug/l	99
46) Dibromomethane	9.231	93	66414	50.499	ug/l	99
47) Bromodichloromethane	9.420	83	175634	50.086	ug/l	98
48) Methyl methacrylate	9.219	41	77080	50.619	ug/l	97
49) 1,4-Dioxane	9.225	88	14855	1015.844	ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	425033	254.988	ug/l	99
52) Toluene	10.170	92	307967	49.585	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	159678	49.701	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	183344	48.340	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	87133	50.858	ug/l	99
56) Ethyl methacrylate	10.438	69	127215	53.738	ug/l	98
57) 1,3-Dichloropropane	10.713	76	152781	50.818	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	292101	257.068	ug/l	99
59) 2-Hexanone	10.755	43	285133	260.462	ug/l	99
60) Dibromochloromethane	10.908	129	118508	50.788	ug/l	99
61) 1,2-Dibromoethane	11.012	107	82050	50.586	ug/l	98
64) Tetrachloroethene	10.646	164	108193	46.783	ug/l	99
65) Chlorobenzene	11.444	112	331937	48.330	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	118595	49.313	ug/l	100
67) Ethyl Benzene	11.518	91	585231	48.106	ug/l	100
68) m/p-Xylenes	11.627	106	441830	96.556	ug/l	100
69) o-Xylene	11.956	106	212382	49.544	ug/l	100
70) Styrene	11.969	104	357830	50.170	ug/l	100
71) Bromoform	12.133	173	68887	50.071	ug/l	99
73) Isopropylbenzene	12.255	105	548496	49.240	ug/l	100
74) N-amyl acetate	12.072	43	146735	51.825	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	98641	50.176	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	72307m	48.754	ug/l	
77) Bromobenzene	12.530	156	130762	50.469	ug/l	98
78) n-propylbenzene	12.597	91	647434	47.897	ug/l	99
79) 2-Chlorotoluene	12.676	91	381569	49.187	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	448101	49.048	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	31668	47.460	ug/l	97
82) 4-Chlorotoluene	12.773	91	392065	48.755	ug/l	99
83) tert-Butylbenzene	12.999	119	405401	49.124	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	449054	49.422	ug/l	99
85) sec-Butylbenzene	13.176	105	564734	46.848	ug/l	99
86) p-Isopropyltoluene	13.292	119	477095	47.399	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	247228	48.238	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	241313	47.661	ug/l	99
89) n-Butylbenzene	13.615	91	431776	45.583	ug/l	100
90) Hexachloroethane	13.883	117	97989	46.606	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	218493	48.659	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15872	51.037	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	127534	46.535	ug/l	99
94) Hexachlorobutadiene	15.023	225	74574	43.221	ug/l	99
95) Naphthalene	15.145	128	230889	50.863	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	109952	47.484	ug/l	98

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

