

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021729.D
 Acq On : 31 Mar 2025 18:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:41:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	272260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	433354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	387791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	196709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142577	48.334	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.660%		
35) Dibromofluoromethane	7.634	113	141191	50.226	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.460%		
50) Toluene-d8	10.103	98	530598	49.615	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.240%		
62) 4-Bromofluorobenzene	12.401	95	184917	51.120	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	133780	47.408	ug/l	98
3) Chloromethane	2.068	50	166989	42.084	ug/l	100
4) Vinyl Chloride	2.202	62	196358	43.757	ug/l	99
5) Bromomethane	2.592	94	132187	43.190	ug/l	99
6) Chloroethane	2.732	64	127635	43.467	ug/l	100
7) Trichlorofluoromethane	3.056	101	266922	46.434	ug/l	97
8) Diethyl Ether	3.452	74	74451	47.625	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	144256	47.580	ug/l	100
10) Methyl Iodide	4.000	142	171728	51.630	ug/l	98
11) Tert butyl alcohol	4.854	59	44286	231.137	ug/l	99
12) 1,1-Dichloroethene	3.787	96	137425	48.122	ug/l	95
13) Acrolein	3.647	56	55854	159.650	ug/l	98
14) Allyl chloride	4.378	41	212096	46.581	ug/l	98
15) Acrylonitrile	5.055	53	156348	239.532	ug/l	99
16) Acetone	3.866	43	114116	189.021	ug/l	93
17) Carbon Disulfide	4.104	76	440192	46.799	ug/l	98
18) Methyl Acetate	4.385	43	78725	52.615	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	354383	49.844	ug/l	97
20) Methylene Chloride	4.610	84	155920	53.012	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	153180	48.717	ug/l	99
22) Diisopropyl ether	6.018	45	464488	48.630	ug/l	98
23) Vinyl Acetate	5.957	43	1328195	237.701	ug/l	98
24) 1,1-Dichloroethane	5.915	63	274036	47.981	ug/l	99
25) 2-Butanone	6.890	43	194282	225.307	ug/l	98
26) 2,2-Dichloropropane	6.884	77	225002	44.288	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	175160	49.537	ug/l	97
28) Bromochloromethane	7.244	49	115501	47.952	ug/l	95
29) Tetrahydrofuran	7.262	42	131229	236.463	ug/l	97
30) Chloroform	7.421	83	289560	48.744	ug/l	95
31) Cyclohexane	7.701	56	236889	45.500	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	258359	48.121	ug/l	99
36) 1,1-Dichloropropene	7.835	75	202522	47.299	ug/l	99
37) Ethyl Acetate	6.982	43	92770	45.909	ug/l	99
38) Carbon Tetrachloride	7.817	117	235093	47.939	ug/l	98
39) Methylcyclohexane	9.109	83	255286	49.909	ug/l	99
40) Benzene	8.079	78	619709	48.329	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	50574	47.127	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	171664	47.488	ug/l	99
43) Isopropyl Acetate	8.195	43	180427	47.116	ug/l	99
44) Trichloroethene	8.865	130	159602	48.851	ug/l	98
45) 1,2-Dichloropropane	9.140	63	147973	48.752	ug/l	97
46) Dibromomethane	9.231	93	86834	49.640	ug/l	97
47) Bromodichloromethane	9.420	83	220817	48.717	ug/l	100
48) Methyl methacrylate	9.219	41	83327	47.411	ug/l	95
49) 1,4-Dioxane	9.225	88	19204	1024.806	ug/l	90
51) 4-Methyl-2-Pentanone	9.993	43	483472	242.606	ug/l	100
52) Toluene	10.170	92	393440	49.179	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	197069	48.949	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	230104	48.447	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	110448	49.064	ug/l	97
56) Ethyl methacrylate	10.438	69	151051	52.550	ug/l	97
57) 1,3-Dichloropropane	10.713	76	190542	49.011	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	366959	261.697	ug/l	98
59) 2-Hexanone	10.755	43	321727	242.411	ug/l	98
60) Dibromochloromethane	10.908	129	153429	49.920	ug/l	100
61) 1,2-Dibromoethane	11.011	107	105400	49.912	ug/l	97
64) Tetrachloroethene	10.646	164	168508	47.710	ug/l	97
65) Chlorobenzene	11.438	112	427687	48.112	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	154500	48.986	ug/l	99
67) Ethyl Benzene	11.517	91	745607	48.913	ug/l	100
68) m/p-Xylenes	11.627	106	569445	97.555	ug/l	100
69) o-Xylene	11.950	106	269778	50.069	ug/l	100
70) Styrene	11.969	104	456782	50.845	ug/l	99
71) Bromoform	12.127	173	87918	48.868	ug/l #	100
73) Isopropylbenzene	12.255	105	713735	48.851	ug/l	99
74) N-amyl acetate	12.066	43	163110	47.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	121801	46.369	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	84818m	43.499	ug/l	
77) Bromobenzene	12.529	156	167096	47.634	ug/l	99
78) n-propylbenzene	12.590	91	849265	48.350	ug/l	99
79) 2-Chlorotoluene	12.676	91	486982	47.733	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	576869	48.310	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	39102	46.206	ug/l	96
82) 4-Chlorotoluene	12.773	91	497264	46.752	ug/l	98
83) tert-Butylbenzene	12.993	119	529178	49.755	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	582272	49.337	ug/l	100
85) sec-Butylbenzene	13.176	105	752544	48.417	ug/l	99
86) p-Isopropyltoluene	13.292	119	628289	48.908	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	322265	46.629	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	320344	46.914	ug/l	99
89) n-Butylbenzene	13.615	91	560816	47.205	ug/l	100
90) Hexachloroethane	13.877	117	129529	46.012	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	287267	47.748	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19461	47.801	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	159914	49.014	ug/l	100
94) Hexachlorobutadiene	15.023	225	95699	46.966	ug/l	98
95) Naphthalene	15.145	128	281482	52.050	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	138593	49.814	ug/l	98

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

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