

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
 Data File : VY021543.D
 Acq On : 17 Mar 2025 10:04
 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 :Mahesh Dadoda 03/18/2025
 Supervised By :Semsettin Yesilyurt 03/18/2025

Quant Time: Mar 18 01:25:44 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	202760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	316994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	146377	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117123	54.652	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.300%	
35) Dibromofluoromethane	7.628	113	113806	54.619	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.240%	
50) Toluene-d8	10.109	98	420713	53.327	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.660%	
62) 4-Bromofluorobenzene	12.408	95	143652	53.529	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.060%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78694	42.294	ug/l	99
3) Chloromethane	2.068	50	123688	47.150	ug/l	99
4) Vinyl Chloride	2.202	62	140113	48.876	ug/l	99
5) Bromomethane	2.592	94	99981	48.256	ug/l	96
6) Chloroethane	2.732	64	103009	54.374	ug/l	97
7) Trichlorofluoromethane	3.056	101	215620	53.888	ug/l	100
8) Diethyl Ether	3.452	74	53338	48.101	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	106834	46.765	ug/l	99
10) Methyl Iodide	4.007	142	124518	53.621	ug/l	99
11) Tert butyl alcohol	4.860	59	31658	224.948	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	97850	46.980	ug/l	99
13) Acrolein	3.647	56	4830	44.310	ug/l	96
14) Allyl chloride	4.385	41	167786	49.849	ug/l	99
15) Acrylonitrile	5.055	53	118882	251.849	ug/l	98
16) Acetone	3.866	43	136587	292.215	ug/l	93
17) Carbon Disulfide	4.104	76	299726	45.919	ug/l	99
18) Methyl Acetate	4.378	43	61046	58.861	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	261000	49.441	ug/l	98
20) Methylene Chloride	4.610	84	114800	46.789	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	115537	49.533	ug/l	98
22) Diisopropyl ether	6.018	45	373560	51.499	ug/l	97
23) Vinyl Acetate	5.957	43	1022573	247.011	ug/l	100
24) 1,1-Dichloroethane	5.915	63	217791	50.872	ug/l	99
25) 2-Butanone	6.890	43	164512	254.434	ug/l	100
26) 2,2-Dichloropropane	6.884	77	194593	49.399	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	134048	50.587	ug/l	100
28) Bromochloromethane	7.244	49	93223	51.940	ug/l	99
29) Tetrahydrofuran	7.262	42	97254	243.642	ug/l	100
30) Chloroform	7.421	83	229797	51.691	ug/l	97
31) Cyclohexane	7.701	56	171004	42.606	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	200093	49.157	ug/l	99
36) 1,1-Dichloropropene	7.835	75	155070	47.545	ug/l	99
37) Ethyl Acetate	6.982	43	68986	47.855	ug/l	99
38) Carbon Tetrachloride	7.817	117	179817	47.938	ug/l	97
39) Methylcyclohexane	9.109	83	182137	45.526	ug/l	97
40) Benzene	8.079	78	479503	49.907	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	38219	48.691	ug/l	98
42) 1,2-Dichloroethane	8.158	62	134781	50.145	ug/l	100
43) Isopropyl Acetate	8.195	43	130651	46.687	ug/l #	88
44) Trichloroethene	8.865	130	122227	50.343	ug/l	96
45) 1,2-Dichloropropane	9.140	63	115016	50.298	ug/l	99
46) Dibromomethane	9.231	93	64119	50.395	ug/l	99
47) Bromodichloromethane	9.420	83	173717	51.412	ug/l	99
48) Methyl methacrylate	9.219	41	62651	48.754	ug/l	98
49) 1,4-Dioxane	9.231	88	12174	974.832	ug/l #	91
51) 4-Methyl-2-Pentanone	9.999	43	353932	245.121	ug/l	100
52) Toluene	10.170	92	307502	50.765	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	152295	51.159	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	180480	51.065	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	84781	50.940	ug/l	98
56) Ethyl methacrylate	10.438	69	108506	51.119	ug/l	98
57) 1,3-Dichloropropane	10.719	76	144738	50.176	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	260004	265.351	ug/l	99
59) 2-Hexanone	10.761	43	247738	259.480	ug/l	100
60) Dibromochloromethane	10.914	129	117860	51.655	ug/l	99
61) 1,2-Dibromoethane	11.018	107	78195	49.781	ug/l	100
64) Tetrachloroethene	10.646	164	126523	54.672	ug/l	98
65) Chlorobenzene	11.444	112	335773	49.962	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	118632	49.929	ug/l	99
67) Ethyl Benzene	11.517	91	579226	49.104	ug/l	99
68) m/p-Xylenes	11.627	106	449457	100.363	ug/l	99
69) o-Xylene	11.956	106	210292	50.951	ug/l	99
70) Styrene	11.969	104	354884	51.830	ug/l	100
71) Bromoform	12.133	173	67566	50.869	ug/l	100
73) Isopropylbenzene	12.255	105	549868	47.688	ug/l	99
74) N-amyl acetate	12.072	43	111196	44.405	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	92907	45.660	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	71820m	48.691	ug/l	
77) Bromobenzene	12.536	156	131058	48.584	ug/l	97
78) n-propylbenzene	12.597	91	673747	48.113	ug/l	99
79) 2-Chlorotoluene	12.682	91	385124	48.098	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	456798	48.749	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30057	46.324	ug/l	98
82) 4-Chlorotoluene	12.779	91	405388	48.892	ug/l	100
83) tert-Butylbenzene	12.999	119	404180	48.351	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	455769	48.988	ug/l	99
85) sec-Butylbenzene	13.176	105	592299	47.622	ug/l	98
86) p-Isopropyltoluene	13.292	119	501218	48.916	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	258938	48.223	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	253569	48.286	ug/l	100
89) n-Butylbenzene	13.621	91	459452	48.559	ug/l	99
90) Hexachloroethane	13.883	117	102762	47.011	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	224133	48.701	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13772	45.184	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	124226	49.419	ug/l	99
94) Hexachlorobutadiene	15.023	225	78569	49.862	ug/l	99
95) Naphthalene	15.145	128	196640	46.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	102815	48.631	ug/l	97

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

