

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021426.D
 Acq On : 06 Mar 2025 10:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
 Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:38:31 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	228274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	348529	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	321426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	168733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128835	53.398	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.800%	
35) Dibromofluoromethane	7.634	113	121683	53.115	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.240%	
50) Toluene-d8	10.103	98	456517	52.629	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.260%	
62) 4-Bromofluorobenzene	12.408	95	163454	55.397	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	91968	43.903	ug/l	96
3) Chloromethane	2.068	50	147009	49.777	ug/l	100
4) Vinyl Chloride	2.202	62	166975	51.736	ug/l	100
5) Bromomethane	2.592	94	113687	48.738	ug/l	100
6) Chloroethane	2.733	64	114896	53.870	ug/l	98
7) Trichlorofluoromethane	3.056	101	222462	49.383	ug/l	99
8) Diethyl Ether	3.452	74	64391	51.579	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	119686	46.535	ug/l	98
10) Methyl Iodide	4.007	142	134207	51.334	ug/l	100
11) Tert butyl alcohol	4.866	59	42449	272.642	ug/l	100
12) 1,1-Dichloroethene	3.787	96	110585	47.161	ug/l	99
13) Acrolein	3.653	56	6322	51.516	ug/l	86
14) Allyl chloride	4.379	41	186983	49.343	ug/l	100
15) Acrylonitrile	5.055	53	145349	273.503	ug/l	98
16) Acetone	3.873	43	108373	205.940	ug/l	95
17) Carbon Disulfide	4.104	76	354351	48.220	ug/l	98
18) Methyl Acetate	4.385	43	67392	57.717	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	316217	53.206	ug/l	98
20) Methylene Chloride	4.616	84	129572	46.907	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	128481	48.926	ug/l	97
22) Diisopropyl ether	6.019	45	430531	52.719	ug/l	96
23) Vinyl Acetate	5.958	43	1272788	273.089	ug/l	100
24) 1,1-Dichloroethane	5.915	63	242268	50.264	ug/l	100
25) 2-Butanone	6.890	43	182935	251.304	ug/l	100
26) 2,2-Dichloropropane	6.884	77	202350	45.627	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	150170	50.337	ug/l	98
28) Bromochloromethane	7.244	49	107278	53.090	ug/l	97
29) Tetrahydrofuran	7.256	42	127276	283.216	ug/l	100
30) Chloroform	7.415	83	252791	50.508	ug/l	98
31) Cyclohexane	7.701	56	202739	44.867	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	222183	48.483	ug/l	99
36) 1,1-Dichloropropene	7.835	75	175296	48.883	ug/l	99
37) Ethyl Acetate	6.982	43	90495	57.095	ug/l	97
38) Carbon Tetrachloride	7.817	117	200999	48.736	ug/l	99
39) Methylcyclohexane	9.109	83	213278	48.487	ug/l	98
40) Benzene	8.079	78	538095	50.938	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	46184	53.514	ug/l #	92
42) 1,2-Dichloroethane	8.152	62	155915	52.759	ug/l	99
43) Isopropyl Acetate	8.195	43	171475	55.731	ug/l #	87
44) Trichloroethene	8.866	130	131758	49.358	ug/l	100
45) 1,2-Dichloropropane	9.140	63	130077	51.738	ug/l	96
46) Dibromomethane	9.231	93	76964	55.018	ug/l	98
47) Bromodichloromethane	9.420	83	194661	52.398	ug/l	99
48) Methyl methacrylate	9.219	41	78849	55.808	ug/l	96
49) 1,4-Dioxane	9.231	88	17549	1278.089	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	464408	292.531	ug/l	99
52) Toluene	10.170	92	339723	51.010	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	178453	54.523	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	204560	52.641	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	99287	54.258	ug/l	98
56) Ethyl methacrylate	10.438	69	135282	57.967	ug/l	98
57) 1,3-Dichloropropane	10.713	76	172201	54.296	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	326106	302.700	ug/l	99
59) 2-Hexanone	10.762	43	313862	298.994	ug/l	99
60) Dibromochloromethane	10.908	129	136186	54.286	ug/l	98
61) 1,2-Dibromoethane	11.012	107	94094	54.483	ug/l	99
64) Tetrachloroethene	10.646	164	123553	47.271	ug/l	99
65) Chlorobenzene	11.444	112	372978	49.139	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	133738	49.836	ug/l	99
67) Ethyl Benzene	11.518	91	663345	49.791	ug/l	100
68) m/p-Xylenes	11.627	106	504274	99.700	ug/l	98
69) o-Xylene	11.956	106	235466	50.512	ug/l	100
70) Styrene	11.969	104	404739	52.337	ug/l	100
71) Bromoform	12.133	173	79480	52.982	ug/l #	99
73) Isopropylbenzene	12.255	105	621268	46.741	ug/l	99
74) N-amyl acetate	12.072	43	157019	54.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	117052	49.905	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	86639m	50.955	ug/l	
77) Bromobenzene	12.530	156	146642	47.159	ug/l	99
78) n-propylbenzene	12.597	91	761668	47.185	ug/l	100
79) 2-Chlorotoluene	12.682	91	434018	47.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	513200	47.512	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	38754	51.814	ug/l	96
82) 4-Chlorotoluene	12.780	91	451424	47.230	ug/l	99
83) tert-Butylbenzene	12.999	119	458801	47.613	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	516598	48.169	ug/l	100
85) sec-Butylbenzene	13.176	105	672802	46.928	ug/l	99
86) p-Isopropyltoluene	13.292	119	562725	47.642	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	288529	46.614	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	286896	47.394	ug/l	98
89) n-Butylbenzene	13.621	91	530559	48.645	ug/l	100
90) Hexachloroethane	13.883	117	115729	45.929	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	256501	48.350	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17841	50.779	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	144430	49.844	ug/l	98
94) Hexachlorobutadiene	15.029	225	87656	48.258	ug/l	100
95) Naphthalene	15.145	128	254945	51.817	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	125217	51.380	ug/l	99

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

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