

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021514.D
 Acq On : 12 Mar 2025 17:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 13 01:38:51 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	179478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	303165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	281410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139822	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121539	64.070	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.140%	
35) Dibromofluoromethane	7.628	113	115073	57.746	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.500%	
50) Toluene-d8	10.103	98	418636	55.484	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.960%	
62) 4-Bromofluorobenzene	12.408	95	142408	55.486	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.980%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	69353	42.109	ug/l	96
3) Chloromethane	2.068	50	121700	52.411	ug/l	100
4) Vinyl Chloride	2.202	62	131606	51.864	ug/l	98
5) Bromomethane	2.592	94	90588	49.394	ug/l	100
6) Chloroethane	2.733	64	92622	55.233	ug/l	99
7) Trichlorofluoromethane	3.056	101	167264	47.225	ug/l	98
8) Diethyl Ether	3.452	74	55025	56.060	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	90567	44.787	ug/l	99
10) Methyl Iodide	4.007	142	119296	58.036	ug/l	100
11) Tert butyl alcohol	4.848	59	32876	268.195	ug/l	98
12) 1,1-Dichloroethene	3.787	96	87845	47.648	ug/l	97
13) Acrolein	3.671	56	212	2.197	ug/l	95
14) Allyl chloride	4.385	41	139129	46.697	ug/l	99
15) Acrylonitrile	5.061	53	120259	287.815	ug/l	99
16) Acetone	3.867	43	95326	230.397	ug/l	93
17) Carbon Disulfide	4.104	76	283040	48.987	ug/l	99
18) Methyl Acetate	4.385	43	96975	105.634	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	269996	57.780	ug/l	97
20) Methylene Chloride	4.616	84	113252	52.146	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	106617	51.638	ug/l	95
22) Diisopropyl ether	6.019	45	372657	58.038	ug/l	95
23) Vinyl Acetate	5.958	43	821330	224.136	ug/l	99
24) 1,1-Dichloroethane	5.915	63	206636	54.527	ug/l	99
25) 2-Butanone	6.896	43	149769	261.680	ug/l	99
26) 2,2-Dichloropropane	6.884	77	78992	22.654	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	128672	54.857	ug/l	93
28) Bromochloromethane	7.244	49	97105	61.121	ug/l	99
29) Tetrahydrofuran	7.262	42	104101	294.626	ug/l	100
30) Chloroform	7.421	83	223685	56.844	ug/l	98
31) Cyclohexane	7.701	56	150185	42.273	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	178807	49.626	ug/l	99
36) 1,1-Dichloropropene	7.835	75	141058	45.221	ug/l	98
37) Ethyl Acetate	6.988	43	67151	48.707	ug/l	99
38) Carbon Tetrachloride	7.817	117	160098	44.628	ug/l	98
39) Methylcyclohexane	9.109	83	153620	40.150	ug/l	100
40) Benzene	8.079	78	461466	50.221	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	38681	51.527	ug/l #	92
42) 1,2-Dichloroethane	8.158	62	137119	53.342	ug/l	99
43) Isopropyl Acetate	8.195	43	136643	51.055	ug/l #	87
44) Trichloroethene	8.866	130	110823	47.728	ug/l	98
45) 1,2-Dichloropropane	9.140	63	114850	52.517	ug/l	95
46) Dibromomethane	9.231	93	64994	53.413	ug/l	99
47) Bromodichloromethane	9.420	83	172001	53.227	ug/l	99
48) Methyl methacrylate	9.219	41	66852	54.397	ug/l	97
49) 1,4-Dioxane	9.225	88	13912	1164.818	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	384062	278.121	ug/l	98
52) Toluene	10.170	92	292098	50.422	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	119761	42.066	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	143191	42.362	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	85759	53.878	ug/l	98
56) Ethyl methacrylate	10.439	69	109045	53.716	ug/l	99
57) 1,3-Dichloropropane	10.719	76	147393	53.428	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	276354	294.903	ug/l	99
59) 2-Hexanone	10.762	43	247066	270.580	ug/l	99
60) Dibromochloromethane	10.908	129	118109	54.125	ug/l	99
61) 1,2-Dibromoethane	11.018	107	80004	53.256	ug/l	99
64) Tetrachloroethene	10.646	164	120835	52.805	ug/l	99
65) Chlorobenzene	11.444	112	319004	48.004	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	117676	50.086	ug/l	99
67) Ethyl Benzene	11.518	91	548044	46.986	ug/l	99
68) m/p-Xylenes	11.627	106	418781	94.571	ug/l	99
69) o-Xylene	11.957	106	200657	49.166	ug/l	99
70) Styrene	11.969	104	347041	51.257	ug/l	99
71) Bromoform	12.133	173	67973	51.754	ug/l #	99
73) Isopropylbenzene	12.255	105	511194	46.412	ug/l	99
74) N-amyl acetate	12.072	43	104202	43.563	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	96180	49.485	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	68788m	48.822	ug/l	
77) Bromobenzene	12.530	156	127191	49.361	ug/l	99
78) n-propylbenzene	12.597	91	609614	45.574	ug/l	99
79) 2-Chlorotoluene	12.682	91	366563	47.926	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	427400	47.750	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	17257	27.844	ug/l	98
82) 4-Chlorotoluene	12.780	91	378329	47.767	ug/l	100
83) tert-Butylbenzene	12.999	119	366641	45.917	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	424942	47.816	ug/l	100
85) sec-Butylbenzene	13.176	105	530456	44.650	ug/l	99
86) p-Isopropyltoluene	13.292	119	430997	44.035	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	243711	47.515	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	238205	47.487	ug/l	99
89) n-Butylbenzene	13.621	91	390848	43.245	ug/l	100
90) Hexachloroethane	13.883	117	96451	46.193	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	219635	49.961	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14042	48.230	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	111506	46.438	ug/l	97
94) Hexachlorobutadiene	15.023	225	63597	42.252	ug/l	100
95) Naphthalene	15.145	128	202480	49.904	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	99410	49.225	ug/l	100

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

