

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022068.D
 Acq On : 29 Apr 2025 19:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/30/2025
 Supervised By : Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:36:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	269052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	418891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	397444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129218	51.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.000%			
35) Dibromofluoromethane	7.634	113	147355	53.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.500%			
50) Toluene-d8	10.103	98	560009	53.676	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.360%			
62) 4-Bromofluorobenzene	12.401	95	187088	53.268	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	105386	45.968	ug/l	97
3) Chloromethane	2.068	50	157111	48.129	ug/l	100
4) Vinyl Chloride	2.202	62	201105	50.132	ug/l	96
5) Bromomethane	2.592	94	158978	46.000	ug/l	99
6) Chloroethane	2.726	64	141458	51.778	ug/l	97
7) Trichlorofluoromethane	3.049	101	263632	49.838	ug/l	98
8) Diethyl Ether	3.446	74	69931	50.792	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.811	101	139332	48.556	ug/l	100
10) Methyl Iodide	4.000	142	180042	54.192	ug/l	99
11) Tert butyl alcohol	4.860	59	36746	269.330	ug/l	98
12) 1,1-Dichloroethene	3.781	96	137296	51.332	ug/l	99
13) Acrolein	3.653	56	55383	226.169	ug/l	98
14) Allyl chloride	4.378	41	160157	51.426	ug/l	98
15) Acrylonitrile	5.055	53	134934	267.708	ug/l	99
16) Acetone	3.866	43	90333	280.286	ug/l	97
17) Carbon Disulfide	4.104	76	429374	50.348	ug/l	98
18) Methyl Acetate	4.378	43	87481	75.357	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	325033	54.295	ug/l	98
20) Methylene Chloride	4.610	84	155832	49.589	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	159575	53.273	ug/l	98
22) Diisopropyl ether	6.012	45	379582	54.768	ug/l	97
23) Vinyl Acetate	5.957	43	924022	247.385	ug/l	100
24) 1,1-Dichloroethane	5.909	63	254741	53.026	ug/l	98
25) 2-Butanone	6.890	43	150563	265.784	ug/l	99
26) 2,2-Dichloropropane	6.878	77	197993	47.023	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	182008	54.341	ug/l	99
28) Bromochloromethane	7.244	49	99494	53.320	ug/l	97
29) Tetrahydrofuran	7.256	42	100821	274.027	ug/l	97
30) Chloroform	7.414	83	290919	54.594	ug/l	98
31) Cyclohexane	7.701	56	196536	47.840	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	250288	51.916	ug/l	99
36) 1,1-Dichloropropene	7.835	75	192081	51.671	ug/l	99
37) Ethyl Acetate	6.982	43	65862	49.331	ug/l	99
38) Carbon Tetrachloride	7.811	117	228976	51.548	ug/l	98
39) Methylcyclohexane	9.109	83	232877	49.780	ug/l	96
40) Benzene	8.079	78	626786	53.938	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	32666	44.758	ug/l #	81
42) 1,2-Dichloroethane	8.152	62	154213	53.601	ug/l	100
43) Isopropyl Acetate	8.195	43	135555	52.869	ug/l	99
44) Trichloroethene	8.859	130	169810	52.758	ug/l	98
45) 1,2-Dichloropropane	9.140	63	139643	54.340	ug/l	98
46) Dibromomethane	9.231	93	88680	55.126	ug/l	99
47) Bromodichloromethane	9.420	83	222605	55.392	ug/l	98
48) Methyl methacrylate	9.219	41	64303	54.252	ug/l	95
49) 1,4-Dioxane	9.231	88	19122	1115.262	ug/l	95
51) 4-Methyl-2-Pentanone	9.993	43	378540	281.640	ug/l	100
52) Toluene	10.170	92	418680	55.661	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	184667	53.573	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	217032	52.967	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	118716	55.247	ug/l	99
56) Ethyl methacrylate	10.438	69	135933	55.318	ug/l	99
57) 1,3-Dichloropropane	10.713	76	188396	54.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	350286	291.553	ug/l	100
59) 2-Hexanone	10.755	43	250877	282.992	ug/l	99
60) Dibromochloromethane	10.908	129	167173	56.193	ug/l	99
61) 1,2-Dibromoethane	11.011	107	113453	55.927	ug/l	98
64) Tetrachloroethene	10.646	164	198180	52.857	ug/l	99
65) Chlorobenzene	11.438	112	466269	52.461	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	166548	53.227	ug/l	99
67) Ethyl Benzene	11.517	91	783494	53.889	ug/l	100
68) m/p-Xylenes	11.627	106	630948	109.058	ug/l	99
69) o-Xylene	11.950	106	294908	55.305	ug/l	98
70) Styrene	11.969	104	506252	56.544	ug/l	99
71) Bromoform	12.127	173	99214	54.537	ug/l #	100
73) Isopropylbenzene	12.255	105	754507	52.147	ug/l	100
74) N-amyl acetate	12.066	43	123233	49.573	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	123603	50.669	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	83982m	45.273	ug/l	
77) Bromobenzene	12.529	156	193134	52.825	ug/l	98
78) n-propylbenzene	12.590	91	888566	51.568	ug/l	99
79) 2-Chlorotoluene	12.676	91	525787	52.469	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	631673	52.985	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	36338	47.174	ug/l	99
82) 4-Chlorotoluene	12.773	91	539217	51.763	ug/l	99
83) tert-Butylbenzene	12.993	119	571459	53.448	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	637834	53.490	ug/l	99
85) sec-Butylbenzene	13.170	105	806330	51.537	ug/l	100
86) p-Isopropyltoluene	13.291	119	696362	52.415	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	382082	51.454	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	376582	51.205	ug/l	99
89) n-Butylbenzene	13.615	91	584788	49.245	ug/l	100
90) Hexachloroethane	13.877	117	148747	50.959	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	341181	52.679	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19629	50.577	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	192235	52.378	ug/l	99
94) Hexachlorobutadiene	15.023	225	115180	51.008	ug/l	99
95) Naphthalene	15.145	128	344610	56.524	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	176155	55.603	ug/l	98

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

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