

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061725\
 Data File : VY022726.D
 Acq On : 17 Jun 2025 16:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 18 04:43:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	125235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	215268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	189278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	93062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80056	57.155	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.300%
35) Dibromofluoromethane	7.634	113	72584	56.490	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.980%
50) Toluene-d8	10.109	98	286425	55.169	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.340%
62) 4-Bromofluorobenzene	12.402	95	83155	53.756	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.520%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	47204	42.100	ug/l	99
3) Chloromethane	2.068	50	182948	55.232	ug/l	97
4) Vinyl Chloride	2.202	62	220779	57.455	ug/l	96
5) Bromomethane	2.592	94	182700	49.606	ug/l	100
6) Chloroethane	2.733	64	155187	58.839	ug/l	97
7) Trichlorofluoromethane	3.050	101	175572	53.821	ug/l	96
8) Diethyl Ether	3.452	74	39865	54.264	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	67944	49.453	ug/l	99
10) Methyl Iodide	4.001	142	81324	54.696	ug/l	99
11) Tert butyl alcohol	4.879	59	27523	275.116	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	66741	50.819	ug/l	98
13) Acrolein	3.653	56	10555	84.659	ug/l	98
14) Allyl chloride	4.385	41	101510	49.236	ug/l	94
15) Acrylonitrile	5.061	53	89387	287.296	ug/l	99
16) Acetone	3.879	43	72704	255.587	ug/l	98
17) Carbon Disulfide	4.104	76	203211	48.331	ug/l	98
18) Methyl Acetate	4.385	43	57051	67.728	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	205043	55.432	ug/l	99
20) Methylene Chloride	4.616	84	88138	54.547	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	80346	54.663	ug/l	93
22) Diisopropyl ether	6.025	45	250408	54.565	ug/l	97
23) Vinyl Acetate	5.958	43	715850	263.549	ug/l	99
24) 1,1-Dichloroethane	5.915	63	154265	57.061	ug/l	100
25) 2-Butanone	6.896	43	113169	275.810	ug/l	96
26) 2,2-Dichloropropane	6.884	77	124782	52.238	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	97627	57.465	ug/l	99
28) Bromochloromethane	7.250	49	65528	55.603	ug/l	97
29) Tetrahydrofuran	7.262	42	73024	275.936	ug/l	97
30) Chloroform	7.421	83	156909	58.596	ug/l	96
31) Cyclohexane	7.707	56	118877	44.168	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	131351	55.256	ug/l	100
36) 1,1-Dichloropropene	7.835	75	109405	52.463	ug/l	100
37) Ethyl Acetate	6.988	43	50752	54.573	ug/l	99
38) Carbon Tetrachloride	7.823	117	112337	52.511	ug/l	99
39) Methylcyclohexane	9.110	83	129190	46.099	ug/l	97
40) Benzene	8.079	78	346365	56.234	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	28526	52.514	ug/l	97
42) 1,2-Dichloroethane	8.158	62	95498	56.784	ug/l	99
43) Isopropyl Acetate	8.201	43	108078	53.810	ug/l	98
44) Trichloroethene	8.866	130	83731	55.621	ug/l	96
45) 1,2-Dichloropropane	9.140	63	82693	56.808	ug/l	98
46) Dibromomethane	9.231	93	48230	58.893	ug/l	98
47) Bromodichloromethane	9.420	83	122568	59.025	ug/l	98
48) Methyl methacrylate	9.219	41	49994	53.036	ug/l	93
49) 1,4-Dioxane	9.231	88	11091	1143.170	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	291719	291.319	ug/l	97
52) Toluene	10.170	92	216645	55.970	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	109473	56.266	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	126123	55.687	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	61630	59.018	ug/l	97
56) Ethyl methacrylate	10.439	69	84594	56.049	ug/l	99
57) 1,3-Dichloropropane	10.719	76	107765	58.225	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	212596	310.248	ug/l	99
59) 2-Hexanone	10.762	43	189449	282.882	ug/l	98
60) Dibromochloromethane	10.908	129	77397	58.322	ug/l	100
61) 1,2-Dibromoethane	11.012	107	55952	58.787	ug/l	98
64) Tetrachloroethene	10.646	164	96208	59.089	ug/l	93
65) Chlorobenzene	11.438	112	229929	54.896	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	77684	55.056	ug/l	97
67) Ethyl Benzene	11.518	91	414983	53.417	ug/l	99
68) m/p-Xylenes	11.627	106	321504	109.168	ug/l	99
69) o-Xylene	11.950	106	151681	54.933	ug/l	99
70) Styrene	11.969	104	255925	56.072	ug/l	98
71) Bromoform	12.127	173	41962	55.886	ug/l #	98
73) Isopropylbenzene	12.255	105	382312	50.038	ug/l	99
74) N-amyl acetate	12.066	43	95475	49.525	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	66810	53.278	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	48307m	45.373	ug/l	
77) Bromobenzene	12.530	156	84097	52.159	ug/l	99
78) n-propylbenzene	12.591	91	470430	50.411	ug/l	99
79) 2-Chlorotoluene	12.676	91	258004	52.165	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	307949	51.339	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	21598	48.990	ug/l	99
82) 4-Chlorotoluene	12.773	91	258428	50.650	ug/l	97
83) tert-Butylbenzene	12.993	119	277161	51.482	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	312891	52.154	ug/l	99
85) sec-Butylbenzene	13.176	105	416522	50.517	ug/l	100
86) p-Isopropyltoluene	13.286	119	344301	50.659	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	175287	53.659	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	169026	53.348	ug/l	99
89) n-Butylbenzene	13.615	91	325274	50.445	ug/l	100
90) Hexachloroethane	13.877	117	69090	52.217	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	148821	53.658	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10324	56.548	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	81485	53.869	ug/l	95
94) Hexachlorobutadiene	15.023	225	41834	50.107	ug/l	99
95) Naphthalene	15.139	128	157401	54.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	69325	53.476	ug/l	99

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

