

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061725\
 Data File : VY022712.D
 Acq On : 17 Jun 2025 08:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 18 04:36:11 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	7.719	168	147201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	248517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	216018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	101314	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	76167	46.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.520%
35) Dibromofluoromethane	7.646	113	70365	47.437	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.880%
50) Toluene-d8	10.109	98	276781	46.179	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.360%
62) 4-Bromofluorobenzene	12.408	95	80837	45.266	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.540%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	56802	43.101	ug/l	100
3) Chloromethane	2.074	50	160277	41.167	ug/l	97
4) Vinyl Chloride	2.208	62	224560	49.719	ug/l	100
5) Bromomethane	2.604	94	183717	42.438	ug/l	96
6) Chloroethane	2.739	64	164720	53.134	ug/l	93
7) Trichlorofluoromethane	3.056	101	186711	48.695	ug/l	98
8) Diethyl Ether	3.458	74	42425	49.132	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	81130	50.238	ug/l	99
10) Methyl Iodide	4.013	142	90883	52.004	ug/l	99
11) Tert butyl alcohol	4.885	59	27269	231.902	ug/l #	92
12) 1,1-Dichloroethene	3.793	96	78392	50.784	ug/l	98
13) Acrolein	3.659	56	15102	103.053	ug/l	99
14) Allyl chloride	4.391	41	119420	49.280	ug/l	98
15) Acrylonitrile	5.074	53	90931	248.646	ug/l	100
16) Acetone	3.879	43	100632	300.976	ug/l	97
17) Carbon Disulfide	4.116	76	233349	47.217	ug/l	97
18) Methyl Acetate	4.397	43	51449	51.963	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	218747	50.312	ug/l	99
20) Methylene Chloride	4.622	84	91244	48.042	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	88540	51.249	ug/l	97
22) Diisopropyl ether	6.031	45	282693	52.408	ug/l	98
23) Vinyl Acetate	5.970	43	780205	244.379	ug/l	99
24) 1,1-Dichloroethane	5.921	63	172913	54.414	ug/l	98
25) 2-Butanone	6.902	43	127339	264.033	ug/l	97
26) 2,2-Dichloropropane	6.890	77	151961	54.123	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	106876	53.521	ug/l	97
28) Bromochloromethane	7.250	49	73999	53.421	ug/l	100
29) Tetrahydrofuran	7.268	42	74862	240.668	ug/l	100
30) Chloroform	7.427	83	172549	54.821	ug/l	96
31) Cyclohexane	7.707	56	143301	45.297	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	149499	53.506	ug/l	98
36) 1,1-Dichloropropene	7.841	75	124250	51.610	ug/l	100
37) Ethyl Acetate	6.994	43	51160	47.652	ug/l	98
38) Carbon Tetrachloride	7.829	117	131844	53.384	ug/l	99
39) Methylcyclohexane	9.115	83	155833	48.167	ug/l	99
40) Benzene	8.085	78	382618	53.809	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	29071	46.357	ug/l	94
42) 1,2-Dichloroethane	8.164	62	103128	53.117	ug/l	98
43) Isopropyl Acetate	8.201	43	110371	47.600	ug/l	98
44) Trichloroethene	8.872	130	92747	53.368	ug/l	96
45) 1,2-Dichloropropane	9.146	63	93024	55.355	ug/l	100
46) Dibromomethane	9.237	93	50795	53.727	ug/l	97
47) Bromodichloromethane	9.426	83	131964	55.048	ug/l	100
48) Methyl methacrylate	9.225	41	49994	45.940	ug/l	95
49) 1,4-Dioxane	9.237	88	10539	940.942	ug/l	94
51) 4-Methyl-2-Pentanone	10.006	43	285771	247.198	ug/l	98
52) Toluene	10.176	92	239185	53.526	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	119612	53.252	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	140861	53.874	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	64562	53.555	ug/l	98
56) Ethyl methacrylate	10.445	69	86344	49.555	ug/l	98
57) 1,3-Dichloropropane	10.719	76	112537	52.669	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	215536	272.456	ug/l	100
59) 2-Hexanone	10.762	43	196136	253.685	ug/l	100
60) Dibromochloromethane	10.914	129	80987	52.863	ug/l	100
61) 1,2-Dibromoethane	11.018	107	57432	52.269	ug/l	98
64) Tetrachloroethene	10.652	164	110597	59.518	ug/l	99
65) Chlorobenzene	11.444	112	253682	53.069	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	85463	53.072	ug/l	99
67) Ethyl Benzene	11.524	91	469544	52.959	ug/l	99
68) m/p-Xylenes	11.633	106	354622	105.508	ug/l	99
69) o-Xylene	11.956	106	166928	52.972	ug/l	99
70) Styrene	11.975	104	279165	53.593	ug/l	98
71) Bromoform	12.133	173	43135	50.337	ug/l #	98
73) Isopropylbenzene	12.255	105	439018	52.780	ug/l	100
74) N-amyl acetate	12.072	43	98844	47.096	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	65769	48.176	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	56332m	48.601	ug/l	
77) Bromobenzene	12.536	156	92487	52.691	ug/l	98
78) n-propylbenzene	12.597	91	533040	52.468	ug/l	99
79) 2-Chlorotoluene	12.682	91	278527	51.728	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	345177	52.858	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	23435	48.827	ug/l	97
82) 4-Chlorotoluene	12.779	91	289156	52.056	ug/l	98
83) tert-Butylbenzene	12.999	119	304585	51.968	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	342518	52.442	ug/l	100
85) sec-Butylbenzene	13.176	105	475196	52.938	ug/l	100
86) p-Isopropyltoluene	13.292	119	391225	52.875	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	188385	52.972	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	180330	52.280	ug/l	100
89) n-Butylbenzene	13.621	91	369520	52.639	ug/l	99
90) Hexachloroethane	13.883	117	76430	53.060	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	156780	51.923	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	9899	49.804	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	84270	51.172	ug/l	98
94) Hexachlorobutadiene	15.023	225	44924	49.426	ug/l	97
95) Naphthalene	15.145	128	149915	47.438	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	69974	49.581	ug/l	98

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

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