

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023252.D
 Acq On : 02 Sep 2025 08:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/03/2025
 Supervised By :Semsettin Yesilyurt 09/03/2025

Quant Time: Sep 03 03:26:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	475955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	695623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	620932	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	319834	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	212438	46.832	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.660%
35) Dibromofluoromethane	7.634	113	228324	54.854	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.700%
50) Toluene-d8	10.109	98	885660	54.466	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.940%
62) 4-Bromofluorobenzene	12.407	95	284353	54.376	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.760%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.866	85	167005	42.987	ug/l	99
3) Chloromethane	2.074	50	262843	41.771	ug/l	98
4) Vinyl Chloride	2.208	62	339281	43.619	ug/l	100
5) Bromomethane	2.598	94	263257	45.318	ug/l	99
6) Chloroethane	2.738	64	240028	46.416	ug/l	98
7) Trichlorofluoromethane	3.061	101	446686	47.228	ug/l	100
8) Diethyl Ether	3.458	74	117059	46.780	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.823	101	243039	52.086	ug/l	97
10) Methyl Iodide	4.006	142	283995	56.403	ug/l	98
11) Tert butyl alcohol	4.860	59	83528	268.739	ug/l	100
12) 1,1-Dichloroethene	3.793	96	230197	50.190	ug/l	92
13) Acrolein	3.653	56	18064	39.684	ug/l	92
14) Allyl chloride	4.390	41	307147	45.512	ug/l	98
15) Acrylonitrile	5.061	53	239447	235.373	ug/l	98
16) Acetone	3.872	43	278365	283.254	ug/l	100
17) Carbon Disulfide	4.110	76	680352	45.494	ug/l	99
18) Methyl Acetate	4.390	43	139692	47.767	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	568720	47.852	ug/l	98
20) Methylene Chloride	4.616	84	268377	52.702	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	265550	51.520	ug/l	95
22) Diisopropyl ether	6.018	45	697514	47.563	ug/l	93
23) Vinyl Acetate	5.963	43	1834426	226.220	ug/l	99
24) 1,1-Dichloroethane	5.914	63	444834	49.613	ug/l	98
25) 2-Butanone	6.896	43	323907	242.343	ug/l	97
26) 2,2-Dichloropropane	6.884	77	403381	52.139	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	308315	51.742	ug/l	95
28) Bromochloromethane	7.244	49	168158	47.273	ug/l	90
29) Tetrahydrofuran	7.268	42	181076	218.564	ug/l	96
30) Chloroform	7.420	83	480751	51.990	ug/l	96
31) Cyclohexane	7.701	56	368559	43.621	ug/l	99
32) 1,1,1-Trichloroethane	7.615	97	427070	52.051	ug/l	99
36) 1,1-Dichloropropene	7.841	75	335635	54.258	ug/l	99
37) Ethyl Acetate	6.987	43	124091	47.755	ug/l	99
38) Carbon Tetrachloride	7.823	117	383909	57.140	ug/l	97
39) Methylcyclohexane	9.109	83	427955	52.536	ug/l	96
40) Benzene	8.085	78	1056934	55.436	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	72021	48.025	ug/l	90
42) 1,2-Dichloroethane	8.158	62	261037	52.643	ug/l	98
43) Isopropyl Acetate	8.201	43	246391	46.913	ug/l	96
44) Trichloroethene	8.865	130	291395	59.142	ug/l	98
45) 1,2-Dichloropropane	9.146	63	238045	54.263	ug/l	100
46) Dibromomethane	9.231	93	141555	56.219	ug/l	97
47) Bromodichloromethane	9.426	83	362455	55.944	ug/l	97
48) Methyl methacrylate	9.225	41	116983	46.547	ug/l	91
49) 1,4-Dioxane	9.231	88	31353	1061.974	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	667982	246.566	ug/l	98
52) Toluene	10.170	92	689495	56.940	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	314764	53.650	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	376814	54.315	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	189601	56.274	ug/l	99
56) Ethyl methacrylate	10.438	69	219455	50.903	ug/l	98
57) 1,3-Dichloropropane	10.719	76	306731	53.681	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	496984	244.384	ug/l	96
59) 2-Hexanone	10.761	43	478996	259.655	ug/l	98
60) Dibromochloromethane	10.914	129	259007	58.260	ug/l	99
61) 1,2-Dibromoethane	11.017	107	175829	55.524	ug/l	99
64) Tetrachloroethene	10.645	164	363173	65.501	ug/l	99
65) Chlorobenzene	11.444	112	753226	56.238	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	265158	58.333	ug/l	99
67) Ethyl Benzene	11.523	91	1281461	55.597	ug/l	98
68) m/p-Xylenes	11.627	106	1023135	113.655	ug/l	97
69) o-Xylene	11.956	106	474612	56.292	ug/l	98
70) Styrene	11.968	104	795267	57.677	ug/l	98
71) Bromoform	12.133	173	153324	57.712	ug/l #	98
73) Isopropylbenzene	12.255	105	1232779	54.612	ug/l	99
74) N-amyl acetate	12.072	43	215530	45.023	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	182874	47.446	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	150900m	48.887	ug/l	
77) Bromobenzene	12.535	156	302612	56.192	ug/l	94
78) n-propylbenzene	12.596	91	1461267	54.372	ug/l	98
79) 2-Chlorotoluene	12.682	91	829160	53.847	ug/l	98
80) 1,3,5-Trimethylbenzene	12.736	105	1010693	55.400	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	62078	48.683	ug/l	98
82) 4-Chlorotoluene	12.779	91	873326	54.672	ug/l	99
83) tert-Butylbenzene	12.999	119	907001	55.046	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	1004442	55.308	ug/l	99
85) sec-Butylbenzene	13.175	105	1336216	55.205	ug/l	98
86) p-Isopropyltoluene	13.291	119	1131507	56.319	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	605803	57.043	ug/l	98
88) 1,4-Dichlorobenzene	13.364	146	588674	55.878	ug/l	99
89) n-Butylbenzene	13.620	91	1004759	54.450	ug/l	99
90) Hexachloroethane	13.883	117	233446	56.760	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	525628	56.435	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28050	46.741	ug/l	85
93) 1,2,4-Trichlorobenzene	14.919	180	309192	56.137	ug/l	99
94) Hexachlorobutadiene	15.023	225	191575	59.191	ug/l	100
95) Naphthalene	15.145	128	495168	52.723	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	266091	56.065	ug/l	98

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

