

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050625\
 Data File : VY022180.D
 Acq On : 06 May 2025 14:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 05/07/2025
 Supervised By : Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 04:35:27 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	7.713	168	216598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	327306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	301681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	38707	19.347	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.700%#		
35) Dibromofluoromethane	7.640	113	42127	19.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.960%#		
50) Toluene-d8	10.109	98	167358	20.529	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	41.060%#		
62) 4-Bromofluorobenzene	12.408	95	58403	21.281	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	42.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	71063	38.504	ug/l	98
3) Chloromethane	2.074	50	119021	45.290	ug/l	96
4) Vinyl Chloride	2.208	62	158889	49.201	ug/l	99
5) Bromomethane	2.598	94	126455	45.450	ug/l	99
6) Chloroethane	2.739	64	111684	50.780	ug/l	98
7) Trichlorofluoromethane	3.056	101	199313	46.804	ug/l	98
8) Diethyl Ether	3.458	74	46166	41.652	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	108587	47.006	ug/l	98
10) Methyl Iodide	4.007	142	122475	45.792	ug/l	98
11) Tert butyl alcohol	4.860	59	23889	217.498	ug/l #	70
12) 1,1-Dichloroethene	3.793	96	97450	45.258	ug/l	96
13) Acrolein	3.659	56	18802	95.377	ug/l	97
14) Allyl chloride	4.391	41	124889	49.813	ug/l	97
15) Acrylonitrile	5.067	53	94997	234.116	ug/l	99
16) Acetone	3.873	43	64571	246.254	ug/l	98
17) Carbon Disulfide	4.110	76	303346	44.184	ug/l	100
18) Methyl Acetate	4.391	43	50161	53.673	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	226997	47.101	ug/l	99
20) Methylene Chloride	4.622	84	113740	44.960	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	111533	46.251	ug/l	93
22) Diisopropyl ether	6.018	45	291943	52.324	ug/l	97
23) Vinyl Acetate	5.964	43	742681	246.987	ug/l	97
24) 1,1-Dichloroethane	5.921	63	188612	48.769	ug/l	98
25) 2-Butanone	6.896	43	108645	238.233	ug/l	92
26) 2,2-Dichloropropane	6.884	77	175380	51.739	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	131176	48.649	ug/l	96
28) Bromochloromethane	7.250	49	78710	52.397	ug/l	93
29) Tetrahydrofuran	7.268	42	74155	250.360	ug/l	97
30) Chloroform	7.421	83	213787	49.835	ug/l	95
31) Cyclohexane	7.707	56	162922	49.262	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	191048	49.225	ug/l	99
36) 1,1-Dichloropropene	7.841	75	152535	52.515	ug/l	99
37) Ethyl Acetate	6.988	43	51354	49.227	ug/l	98
38) Carbon Tetrachloride	7.823	117	177821	51.233	ug/l	97
39) Methylcyclohexane	9.109	83	191858	52.488	ug/l	95
40) Benzene	8.085	78	464940	51.206	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	27509	48.239	ug/l	97
42) 1,2-Dichloroethane	8.158	62	114961	51.139	ug/l	98
43) Isopropyl Acetate	8.201	43	99358	49.595	ug/l #	85
44) Trichloroethene	8.872	130	126041	50.117	ug/l	99
45) 1,2-Dichloropropane	9.140	63	106185	52.883	ug/l	100
46) Dibromomethane	9.231	93	64642	51.428	ug/l	96
47) Bromodichloromethane	9.426	83	164870	52.505	ug/l	99
48) Methyl methacrylate	9.225	41	48686	52.569	ug/l	99
49) 1,4-Dioxane	9.231	88	12851	959.240	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	279566	266.204	ug/l	98
52) Toluene	10.170	92	308765	52.534	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	139730	51.879	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	166146	51.894	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	86024	51.235	ug/l	98
56) Ethyl methacrylate	10.444	69	98382	51.240	ug/l	97
57) 1,3-Dichloropropane	10.719	76	139755	51.922	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	244892	260.866	ug/l	98
59) 2-Hexanone	10.762	43	184175	265.883	ug/l	97
60) Dibromochloromethane	10.914	129	119101	51.236	ug/l	99
61) 1,2-Dibromoethane	11.018	107	79178	49.952	ug/l	100
64) Tetrachloroethene	10.652	164	141191	49.611	ug/l	98
65) Chlorobenzene	11.444	112	342463	50.763	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	120483	50.728	ug/l	98
67) Ethyl Benzene	11.524	91	590158	53.476	ug/l	99
68) m/p-Xylenes	11.633	106	474983	108.161	ug/l	100
69) o-Xylene	11.956	106	217056	53.627	ug/l	100
70) Styrene	11.969	104	372427	54.801	ug/l	99
71) Bromoform	12.133	173	68542	49.637	ug/l #	98
73) Isopropylbenzene	12.255	105	580456	49.188	ug/l	100
74) N-amyl acetate	12.072	43	96014	47.356	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	91552	46.015	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	74624m	49.324	ug/l	
77) Bromobenzene	12.536	156	135686	45.503	ug/l	96
78) n-propylbenzene	12.597	91	706421	50.267	ug/l	100
79) 2-Chlorotoluene	12.682	91	399253	48.850	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	485730	49.955	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	28567	45.470	ug/l	99
82) 4-Chlorotoluene	12.779	91	420456	49.488	ug/l	99
83) tert-Butylbenzene	12.999	119	431509	49.483	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	493529	50.746	ug/l	99
85) sec-Butylbenzene	13.176	105	655908	51.401	ug/l	99
86) p-Isopropyltoluene	13.292	119	555197	51.238	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	288028	47.558	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	285010	47.516	ug/l	99
89) n-Butylbenzene	13.621	91	501602	51.791	ug/l	99
90) Hexachloroethane	13.883	117	114386	48.048	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	247770	46.905	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14283	45.122	ug/l	88
93) 1,2,4-Trichlorobenzene	14.925	180	137156	45.820	ug/l	99
94) Hexachlorobutadiene	15.023	225	84556	45.912	ug/l	100
95) Naphthalene	15.145	128	221642	44.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	117493	45.471	ug/l	98

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

