

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022407.D
 Acq On : 23 May 2025 14:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025

Quant Time: May 23 23:19:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	221240	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	368290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	319713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	156128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	105056	43.448	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.900%		
35) Dibromofluoromethane	7.640	113	103275	46.982	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.960%		
50) Toluene-d8	10.115	98	390436	43.369	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.740%		
62) 4-Bromofluorobenzene	12.414	95	123042	43.119	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	116968	50.667	ug/l	96
3) Chloromethane	2.074	50	290256	59.771	ug/l	98
4) Vinyl Chloride	2.208	62	347178	63.990	ug/l	100
5) Bromomethane	2.598	94	413446	93.610	ug/l	96
6) Chloroethane	2.738	64	259722	76.947	ug/l	95
7) Trichlorofluoromethane	3.055	101	319919	58.240	ug/l	99
8) Diethyl Ether	3.464	74	67445	51.162	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	132232	55.449	ug/l	99
10) Methyl Iodide	4.013	142	155151	56.212	ug/l	99
11) Tert butyl alcohol	4.891	59	43078	233.304	ug/l #	100
12) 1,1-Dichloroethene	3.799	96	128262	54.199	ug/l	98
13) Acrolein	3.671	56	5422	20.087	ug/l	87
14) Allyl chloride	4.397	41	191433	46.134	ug/l	93
15) Acrylonitrile	5.073	53	136585	251.450	ug/l	99
16) Acetone	3.891	43	124446	274.484	ug/l	93
17) Carbon Disulfide	4.110	76	412873	53.502	ug/l	100
18) Methyl Acetate	4.397	43	61387	42.944	ug/l #	91
19) Methyl tert-butyl Ether	5.128	73	339482	52.026	ug/l	94
20) Methylene Chloride	4.622	84	135048	46.098	ug/l	92
21) trans-1,2-Dichloroethene	5.128	96	139138	53.266	ug/l	91
22) Diisopropyl ether	6.031	45	412983	47.129	ug/l	98
23) Vinyl Acetate	5.970	43	1279163	241.628	ug/l	97
24) 1,1-Dichloroethane	5.921	63	251699	51.413	ug/l	99
25) 2-Butanone	6.908	43	182592	240.768	ug/l	98
26) 2,2-Dichloropropane	6.896	77	229889	52.796	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	164793	54.670	ug/l	96
28) Bromochloromethane	7.250	49	100083	47.928	ug/l	95
29) Tetrahydrofuran	7.274	42	115013	235.730	ug/l	93
30) Chloroform	7.427	83	251591	53.578	ug/l	94
31) Cyclohexane	7.713	56	236552	48.361	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	224345	52.075	ug/l	99
36) 1,1-Dichloropropene	7.847	75	193158	53.349	ug/l	99
37) Ethyl Acetate	6.994	43	83173	47.744	ug/l #	96
38) Carbon Tetrachloride	7.829	117	199987	53.361	ug/l	99
39) Methylcyclohexane	9.115	83	262827	54.032	ug/l	97
40) Benzene	8.085	78	572541	53.342	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	55931m	48.401	ug/l	
42) 1,2-Dichloroethane	8.164	62	150005	51.680	ug/l	99
43) Isopropyl Acetate	8.207	43	180176	47.424	ug/l	96
44) Trichloroethene	8.872	130	142169	53.270	ug/l	95
45) 1,2-Dichloropropane	9.146	63	133774	51.695	ug/l	97
46) Dibromomethane	9.237	93	74785	53.582	ug/l	100
47) Bromodichloromethane	9.432	83	192142	53.066	ug/l	99
48) Methyl methacrylate	9.225	41	82263	46.300	ug/l	92
49) 1,4-Dioxane	9.243	88	15964	1012.465	ug/l	91
51) 4-Methyl-2-Pentanone	10.005	43	444290	238.329	ug/l	94
52) Toluene	10.176	92	363814	53.527	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	179206	50.715	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	211578	52.261	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	95964	53.693	ug/l	97
56) Ethyl methacrylate	10.444	69	143099	51.400	ug/l	96
57) 1,3-Dichloropropane	10.725	76	168420	53.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	319778	255.904	ug/l	97
59) 2-Hexanone	10.768	43	305492	244.413	ug/l	96
60) Dibromochloromethane	10.920	129	124963	53.868	ug/l	100
61) 1,2-Dibromoethane	11.017	107	89675	53.833	ug/l	99
64) Tetrachloroethene	10.652	164	148025	50.091	ug/l	99
65) Chlorobenzene	11.450	112	380959	52.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.523	131	129105	52.064	ug/l	99
67) Ethyl Benzene	11.523	91	709631	52.532	ug/l	98
68) m/p-Xylenes	11.633	106	541165	106.314	ug/l	98
69) o-Xylene	11.962	106	254806	52.908	ug/l	96
70) Styrene	11.975	104	426601	52.512	ug/l	98
71) Bromoform	12.139	173	67751	50.619	ug/l #	100
73) Isopropylbenzene	12.261	105	664453	51.371	ug/l	100
74) N-amyl acetate	12.072	43	169349	45.779	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	104308	52.437	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	77565m	49.038	ug/l	
77) Bromobenzene	12.536	156	139511	50.501	ug/l	98
78) n-propylbenzene	12.603	91	809774	51.904	ug/l	100
79) 2-Chlorotoluene	12.682	91	427999	49.921	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	525917	50.370	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	36785	47.111	ug/l	97
82) 4-Chlorotoluene	12.779	91	439995	49.894	ug/l	97
83) tert-Butylbenzene	13.005	119	474547	51.135	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	526654	50.812	ug/l	98
85) sec-Butylbenzene	13.182	105	714168	51.842	ug/l	100
86) p-Isopropyltoluene	13.298	119	606476	52.345	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	289621	51.356	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	275777	50.838	ug/l	98
89) n-Butylbenzene	13.621	91	571460	52.136	ug/l	99
90) Hexachloroethane	13.883	117	116364	49.754	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	241462	50.973	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15803	49.266	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	136047	49.720	ug/l	99
94) Hexachlorobutadiene	15.029	225	75960	49.779	ug/l	99
95) Naphthalene	15.151	128	261527	50.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	116775	50.307	ug/l	98

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

