

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022419.D
 Acq On : 23 May 2025 21:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 24 01:10:46 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	190406	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	328619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	286352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	137202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	114261	54.908	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.820%			
35) Dibromofluoromethane	7.646	113	110381	56.277	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.560%			
50) Toluene-d8	10.115	98	433174	53.924	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.840%			
62) 4-Bromofluorobenzene	12.414	95	128293	50.386	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	97241	48.943	ug/l	98
3) Chloromethane	2.068	50	244767	58.565	ug/l	98
4) Vinyl Chloride	2.208	62	297443	63.701	ug/l	98
5) Bromomethane	2.598	94	279236	73.461	ug/l	98
6) Chloroethane	2.739	64	189182	65.125	ug/l	98
7) Trichlorofluoromethane	3.062	101	242448	51.284	ug/l	99
8) Diethyl Ether	3.464	74	63939	56.356	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.824	101	112981	55.049	ug/l	99
10) Methyl Iodide	4.013	142	141238	59.458	ug/l	99
11) Tert butyl alcohol	4.891	59	39950	251.401	ug/l #	100
12) 1,1-Dichloroethene	3.799	96	111084	54.541	ug/l	97
13) Acrolein	3.665	56	23395	100.705	ug/l	99
14) Allyl chloride	4.397	41	165922	46.461	ug/l	91
15) Acrylonitrile	5.074	53	128620	275.131	ug/l	98
16) Acetone	3.885	43	91985	235.742	ug/l	95
17) Carbon Disulfide	4.116	76	341960	51.488	ug/l	99
18) Methyl Acetate	4.397	43	67406	54.790	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	312193	55.592	ug/l	96
20) Methylene Chloride	4.629	84	126923	50.340	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	124007	55.161	ug/l	94
22) Diisopropyl ether	6.031	45	383549	50.858	ug/l	98
23) Vinyl Acetate	5.970	43	1119820	245.783	ug/l	97
24) 1,1-Dichloroethane	5.927	63	230248	54.648	ug/l	98
25) 2-Butanone	6.903	43	160434	245.808	ug/l	98
26) 2,2-Dichloropropane	6.896	77	187644	50.072	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	147625	56.905	ug/l	95
28) Bromochloromethane	7.256	49	96996	53.972	ug/l	95
29) Tetrahydrofuran	7.274	42	107064	254.973	ug/l	91
30) Chloroform	7.433	83	228513	56.544	ug/l	96
31) Cyclohexane	7.707	56	200686	47.672	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	203180	54.799	ug/l	98
36) 1,1-Dichloropropene	7.841	75	168154	52.050	ug/l	98
37) Ethyl Acetate	6.994	43	76865	49.449	ug/l	97
38) Carbon Tetrachloride	7.829	117	176086	52.656	ug/l	96
39) Methylcyclohexane	9.116	83	223441	51.480	ug/l	97
40) Benzene	8.085	78	517497	54.034	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	45714m	44.335	ug/l	
42) 1,2-Dichloroethane	8.165	62	138825	53.602	ug/l	99
43) Isopropyl Acetate	8.207	43	165490	48.817	ug/l	96
44) Trichloroethene	8.872	130	126129	52.965	ug/l	91
45) 1,2-Dichloropropane	9.152	63	122566	53.082	ug/l	98
46) Dibromomethane	9.237	93	68525	55.024	ug/l	99
47) Bromodichloromethane	9.433	83	176471	54.621	ug/l	100
48) Methyl methacrylate	9.225	41	75659	47.724	ug/l	91
49) 1,4-Dioxane	9.237	88	15134	1075.695	ug/l	93
51) 4-Methyl-2-Pentanone	10.006	43	418622	251.669	ug/l	97
52) Toluene	10.176	92	321553	53.021	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	159576	50.611	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	186733	51.692	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	87255	54.714	ug/l	99
56) Ethyl methacrylate	10.445	69	131927	53.108	ug/l	94
57) 1,3-Dichloropropane	10.725	76	154902	54.669	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	318247	285.424	ug/l	97
59) 2-Hexanone	10.768	43	276044	247.514	ug/l	96
60) Dibromochloromethane	10.920	129	114120	55.133	ug/l	98
61) 1,2-Dibromoethane	11.024	107	83207	55.980	ug/l	100
64) Tetrachloroethene	10.652	164	131639	49.735	ug/l	98
65) Chlorobenzene	11.451	112	346274	53.600	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	118210	53.225	ug/l	99
67) Ethyl Benzene	11.524	91	630753	52.133	ug/l	98
68) m/p-Xylenes	11.633	106	473349	103.825	ug/l	99
69) o-Xylene	11.963	106	225904	52.372	ug/l	97
70) Styrene	11.975	104	384747	52.878	ug/l	98
71) Bromoform	12.139	173	62980	52.537	ug/l #	97
73) Isopropylbenzene	12.261	105	595326	52.375	ug/l	99
74) N-amyl acetate	12.078	43	150966	46.439	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	96773	55.360	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	68908m	49.574	ug/l	
77) Bromobenzene	12.536	156	126529	52.120	ug/l	98
78) n-propylbenzene	12.603	91	713535	52.044	ug/l	100
79) 2-Chlorotoluene	12.682	91	382566	50.777	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	466319	50.822	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	30774	44.849	ug/l	99
82) 4-Chlorotoluene	12.780	91	389835	50.304	ug/l	98
83) tert-Butylbenzene	13.005	119	430259	52.759	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	463785	50.919	ug/l	98
85) sec-Butylbenzene	13.182	105	632397	52.239	ug/l	100
86) p-Isopropyltoluene	13.298	119	528265	51.884	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	259203	52.302	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	249302	52.297	ug/l	99
89) n-Butylbenzene	13.621	91	490497	50.922	ug/l	100
90) Hexachloroethane	13.883	117	105863	51.508	ug/l	97
91) 1,2-Dichlorobenzene	13.664	146	220789	53.038	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14395	51.067	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	124032	51.582	ug/l	96
94) Hexachlorobutadiene	15.029	225	64868	48.374	ug/l	98
95) Naphthalene	15.151	128	237995	52.156	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	104147	51.056	ug/l	98

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

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