

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022453.D
 Acq On : 29 May 2025 08:23
 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 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 05:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	217073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	367403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	311885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	144539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	117718	51.485	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.980%			
35) Dibromofluoromethane	7.646	113	109900	51.078	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.160%			
50) Toluene-d8	10.115	98	446607	50.917	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.840%			
62) 4-Bromofluorobenzene	12.414	95	132603	49.979	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	96102	46.403	ug/l	98
3) Chloromethane	2.074	50	234378	46.008	ug/l	99
4) Vinyl Chloride	2.208	62	312744	50.535	ug/l	97
5) Bromomethane	2.604	94	246236	43.784	ug/l	100
6) Chloroethane	2.745	64	215276	53.233	ug/l	98
7) Trichlorofluoromethane	3.062	101	259381	49.675	ug/l	99
8) Diethyl Ether	3.464	74	63009	52.335	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	117973	51.499	ug/l	98
10) Methyl Iodide	4.019	142	142579	55.169	ug/l	98
11) Tert butyl alcohol	4.885	59	39179	243.099	ug/l #	87
12) 1,1-Dichloroethene	3.799	96	116616	51.275	ug/l	92
13) Acrolein	3.665	56	33556	138.958	ug/l	100
14) Allyl chloride	4.397	41	183736	53.706	ug/l	98
15) Acrylonitrile	5.074	53	126492	260.652	ug/l	99
16) Acetone	3.885	43	112598	299.687	ug/l	93
17) Carbon Disulfide	4.116	76	374907	51.656	ug/l	99
18) Methyl Acetate	4.397	43	77391	54.988	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	310245	51.382	ug/l	97
20) Methylene Chloride	4.629	84	129965	48.985	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	128668	51.821	ug/l	98
22) Diisopropyl ether	6.031	45	395865	52.428	ug/l	98
23) Vinyl Acetate	5.970	43	1108700	255.731	ug/l	99
24) 1,1-Dichloroethane	5.927	63	238809	53.525	ug/l	98
25) 2-Butanone	6.903	43	169383	270.697	ug/l	97
26) 2,2-Dichloropropane	6.896	77	214202	53.021	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	151712	52.781	ug/l	98
28) Bromochloromethane	7.256	49	102958	55.263	ug/l	98
29) Tetrahydrofuran	7.274	42	107092	256.623	ug/l	97
30) Chloroform	7.433	83	232263	52.831	ug/l	99
31) Cyclohexane	7.713	56	213578	48.562	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	209433	52.490	ug/l	99
36) 1,1-Dichloropropene	7.847	75	177465	51.977	ug/l	99
37) Ethyl Acetate	6.994	43	73283	50.504	ug/l	99
38) Carbon Tetrachloride	7.829	117	186546	52.449	ug/l	97
39) Methylcyclohexane	9.116	83	228187	50.278	ug/l	96
40) Benzene	8.091	78	535259	52.686	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	45979m	52.208	ug/l	
42) 1,2-Dichloroethane	8.164	62	139327	51.926	ug/l	100
43) Isopropyl Acetate	8.201	43	159648	50.350	ug/l #	88
44) Trichloroethene	8.872	130	128913	51.329	ug/l	98
45) 1,2-Dichloropropane	9.146	63	125461	52.560	ug/l	99
46) Dibromomethane	9.237	93	68205	51.150	ug/l	99
47) Bromodichloromethane	9.433	83	178705	52.116	ug/l	99
48) Methyl methacrylate	9.231	41	77784	52.848	ug/l	97
49) 1,4-Dioxane	9.237	88	14373	975.883	ug/l	96
51) 4-Methyl-2-Pentanone	10.006	43	402915	257.545	ug/l	100
52) Toluene	10.176	92	332855	52.454	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	166521	52.136	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	195125	51.992	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	86260	51.165	ug/l	99
56) Ethyl methacrylate	10.445	69	122555	50.656	ug/l	97
57) 1,3-Dichloropropane	10.725	76	152635	51.375	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	311180	258.077	ug/l	99
59) 2-Hexanone	10.768	43	269457	262.819	ug/l	100
60) Dibromochloromethane	10.920	129	112707	52.335	ug/l	99
61) 1,2-Dibromoethane	11.024	107	78781	51.091	ug/l	98
64) Tetrachloroethene	10.652	164	138967	52.318	ug/l	96
65) Chlorobenzene	11.450	112	347414	52.240	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	116764	51.821	ug/l	98
67) Ethyl Benzene	11.524	91	645012	52.235	ug/l	98
68) m/p-Xylenes	11.633	106	485605	103.724	ug/l	100
69) o-Xylene	11.963	106	227557	51.717	ug/l	99
70) Styrene	11.975	104	386668	52.776	ug/l	100
71) Bromoform	12.139	173	59931	50.779	ug/l #	100
73) Isopropylbenzene	12.261	105	597529	52.527	ug/l	99
74) N-amyl acetate	12.072	43	146777	52.730	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	88143	49.179	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	68789m	47.513	ug/l	
77) Bromobenzene	12.536	156	125196	51.142	ug/l	98
78) n-propylbenzene	12.603	91	726495	53.216	ug/l	100
79) 2-Chlorotoluene	12.682	91	386917	52.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	466486	52.483	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	32774	51.193	ug/l	98
82) 4-Chlorotoluene	12.780	91	397764	52.262	ug/l	100
83) tert-Butylbenzene	13.005	119	426168	53.068	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	471592	52.724	ug/l	100
85) sec-Butylbenzene	13.182	105	631375	53.014	ug/l	100
86) p-Isopropyltoluene	13.298	119	526903	52.981	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	252533	51.269	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	245269	52.077	ug/l	99
89) n-Butylbenzene	13.621	91	499367	53.553	ug/l	100
90) Hexachloroethane	13.883	117	104310	52.707	ug/l	97
91) 1,2-Dichlorobenzene	13.664	146	214576	52.156	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13492	48.716	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	117166	51.370	ug/l	97
94) Hexachlorobutadiene	15.029	225	61354	51.258	ug/l	97
95) Naphthalene	15.151	128	219204	51.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	98121	52.456	ug/l	98

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

