

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022382.D
 Acq On : 22 May 2025 09:36
 Operator : SY/MD
 Sample : VY0522SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0522SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:02 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	174604	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	293942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	250842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	118480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	92313	48.376	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.760%		
35) Dibromofluoromethane	7.646	113	88232	50.291	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.580%		
50) Toluene-d8	10.115	98	361670	50.334	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.660%		
62) 4-Bromofluorobenzene	12.414	95	108691	47.724	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	35700	19.595	ug/l	100
3) Chloromethane	2.074	50	89428	23.334	ug/l	96
4) Vinyl Chloride	2.208	62	106584	24.892	ug/l	98
5) Bromomethane	2.598	94	120242	34.496	ug/l	100
6) Chloroethane	2.739	64	75963	28.516	ug/l	99
7) Trichlorofluoromethane	3.056	101	101302	23.367	ug/l	96
8) Diethyl Ether	3.464	74	20744	19.939	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	39378	20.923	ug/l	99
10) Methyl Iodide	4.013	142	39404	18.090	ug/l	98
11) Tert butyl alcohol	4.891	59	13893	95.339	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	38242	20.476	ug/l	94
13) Acrolein	3.665	56	11668	54.771	ug/l	97
14) Allyl chloride	4.397	41	57800	17.650	ug/l	93
15) Acrylonitrile	5.067	53	41413	96.604	ug/l	99
16) Acetone	3.885	43	37784	105.597	ug/l	96
17) Carbon Disulfide	4.116	76	117567	19.304	ug/l	99
18) Methyl Acetate	4.403	43	18733	16.605	ug/l #	89
19) Methyl tert-butyl Ether	5.128	73	100940	19.601	ug/l	98
20) Methylene Chloride	4.629	84	43819	18.952	ug/l	90
21) trans-1,2-Dichloroethene	5.122	96	40647	19.717	ug/l	95
22) Diisopropyl ether	6.031	45	124864	18.055	ug/l	98
23) Vinyl Acetate	5.970	43	370765	88.742	ug/l	96
24) 1,1-Dichloroethane	5.927	63	75035	19.421	ug/l	99
25) 2-Butanone	6.909	43	57111	95.421	ug/l	95
26) 2,2-Dichloropropane	6.890	77	69084	20.103	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	47248	19.861	ug/l	97
28) Bromochloromethane	7.256	49	30609	18.573	ug/l	96
29) Tetrahydrofuran	7.280	42	35533	92.280	ug/l	94
30) Chloroform	7.433	83	74530	20.111	ug/l	99
31) Cyclohexane	7.713	56	72006	18.653	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	66206	19.472	ug/l	99
36) 1,1-Dichloropropene	7.847	75	56933	19.702	ug/l	99
37) Ethyl Acetate	6.994	43	26743	19.234	ug/l	97
38) Carbon Tetrachloride	7.829	117	59138	19.771	ug/l	97
39) Methylcyclohexane	9.116	83	74349	19.151	ug/l	97
40) Benzene	8.091	78	167114	19.508	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	14142	15.333	ug/l #	82
42) 1,2-Dichloroethane	8.171	62	44204	19.081	ug/l	98
43) Isopropyl Acetate	8.207	43	52844	17.427	ug/l	98
44) Trichloroethene	8.872	130	42833	20.109	ug/l	96
45) 1,2-Dichloropropane	9.152	63	39408	19.081	ug/l	97
46) Dibromomethane	9.237	93	22173	19.905	ug/l	97
47) Bromodichloromethane	9.433	83	55825	19.317	ug/l	98
48) Methyl methacrylate	9.231	41	24395	17.203	ug/l	94
49) 1,4-Dioxane	9.250	88	5019	398.826	ug/l	89
51) 4-Methyl-2-Pentanone	10.006	43	132300	88.920	ug/l	96
52) Toluene	10.176	92	105474	19.443	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	52289	18.540	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	60767	18.806	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	27910	19.566	ug/l	99
56) Ethyl methacrylate	10.445	69	41592	18.718	ug/l	95
57) 1,3-Dichloropropane	10.725	76	50921	20.091	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	80535	80.750	ug/l	97
59) 2-Hexanone	10.768	43	89261	89.478	ug/l	95
60) Dibromochloromethane	10.920	129	36931	19.947	ug/l	100
61) 1,2-Dibromoethane	11.024	107	26053	19.596	ug/l	99
64) Tetrachloroethene	10.652	164	46204	19.928	ug/l	96
65) Chlorobenzene	11.450	112	111687	19.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	36492	18.757	ug/l	98
67) Ethyl Benzene	11.524	91	198411	18.720	ug/l	99
68) m/p-Xylenes	11.633	106	151710	37.987	ug/l	97
69) o-Xylene	11.963	106	71140	18.827	ug/l	100
70) Styrene	11.975	104	121069	18.995	ug/l	97
71) Bromoform	12.139	173	20171	19.208	ug/l #	99
73) Isopropylbenzene	12.261	105	189456	19.302	ug/l	100
74) N-amyl acetate	12.078	43	47777	17.019	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	29957	19.845	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	22658m	18.877	ug/l	
77) Bromobenzene	12.536	156	39583	18.881	ug/l	98
78) n-propylbenzene	12.603	91	229385	19.375	ug/l	100
79) 2-Chlorotoluene	12.682	91	120979	18.594	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	149426	18.859	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	10636	17.950	ug/l	97
82) 4-Chlorotoluene	12.780	91	123043	18.386	ug/l	99
83) tert-Butylbenzene	12.999	119	134904	19.156	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	147645	18.771	ug/l	99
85) sec-Butylbenzene	13.182	105	202478	19.368	ug/l	100
86) p-Isopropyltoluene	13.298	119	166855	18.977	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	80701	18.857	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	78194	18.995	ug/l	99
89) n-Butylbenzene	13.621	91	160206	19.260	ug/l	100
90) Hexachloroethane	13.883	117	33947	19.127	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	68652	19.098	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4780	19.637	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	40453	19.482	ug/l	99
94) Hexachlorobutadiene	15.029	225	21731	18.766	ug/l	98
95) Naphthalene	15.151	128	76320	19.368	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	33805	19.191	ug/l	99

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

