

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022211.D
 Acq On : 12 May 2025 09:51
 Operator : SY/MD
 Sample : VY0512SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
 Supervised By :Semsettin Yesilyurt 05/13/2025

Quant Time: May 13 02:16:10 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	216263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	338089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	309790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109166	54.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.300%			
35) Dibromofluoromethane	7.640	113	119160	53.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.700%			
50) Toluene-d8	10.109	98	451944	53.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.408	95	149962	52.902	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	36373	19.738	ug/l	96
3) Chloromethane	2.068	50	60978	23.239	ug/l	100
4) Vinyl Chloride	2.202	62	72683	22.541	ug/l	99
5) Bromomethane	2.592	94	79139	28.488	ug/l	98
6) Chloroethane	2.733	64	55086	25.085	ug/l	99
7) Trichlorofluoromethane	3.050	101	93668	22.030	ug/l	96
8) Diethyl Ether	3.452	74	23346	21.096	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	50787	22.019	ug/l	98
10) Methyl Iodide	4.007	142	53890	20.180	ug/l	98
11) Tert butyl alcohol	4.897	59	11721	106.879	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	44237	20.576	ug/l	96
13) Acrolein	3.653	56	7643	38.831	ug/l	99
14) Allyl chloride	4.385	41	54138	21.627	ug/l	96
15) Acrylonitrile	5.067	53	45636	112.642	ug/l	96
16) Acetone	3.885	43	30820	105.529	ug/l	95
17) Carbon Disulfide	4.104	76	136650	19.935	ug/l	98
18) Methyl Acetate	4.391	43	22051	23.632	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	100357	20.856	ug/l	96
20) Methylene Chloride	4.610	84	53749	21.279	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	50618	21.023	ug/l	95
22) Diisopropyl ether	6.019	45	126733	22.749	ug/l	94
23) Vinyl Acetate	5.964	43	332390	110.711	ug/l	99
24) 1,1-Dichloroethane	5.915	63	86946	22.516	ug/l	99
25) 2-Butanone	6.903	43	48902	107.397	ug/l	97
26) 2,2-Dichloropropane	6.884	77	74166	21.914	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56982	21.166	ug/l	97
28) Bromochloromethane	7.244	49	33757	22.507	ug/l	95
29) Tetrahydrofuran	7.268	42	33147	112.083	ug/l	97
30) Chloroform	7.421	83	96746	22.587	ug/l	97
31) Cyclohexane	7.701	56	68898	20.865	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	84194	21.727	ug/l	98
36) 1,1-Dichloropropene	7.835	75	65523	21.839	ug/l	98
37) Ethyl Acetate	6.988	43	24148	22.410	ug/l	97
38) Carbon Tetrachloride	7.817	117	79467	22.165	ug/l	95
39) Methylcyclohexane	9.109	83	75338	19.953	ug/l	93
40) Benzene	8.079	78	206390	22.006	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	10178	17.278	ug/l #	74
42) 1,2-Dichloroethane	8.158	62	52252	22.502	ug/l	100
43) Isopropyl Acetate	8.195	43	47302	22.858	ug/l	98
44) Trichloroethene	8.866	130	55659	21.425	ug/l	95
45) 1,2-Dichloropropane	9.140	63	47168	22.742	ug/l	97
46) Dibromomethane	9.231	93	28643	22.061	ug/l	99
47) Bromodichloromethane	9.420	83	74034	22.825	ug/l	97
48) Methyl methacrylate	9.219	41	19984	20.890	ug/l	96
49) 1,4-Dioxane	9.244	88	5888	425.482	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	123141	113.516	ug/l	96
52) Toluene	10.170	92	134859	22.214	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	59031	21.218	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	73116	22.109	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	38454	22.173	ug/l	95
56) Ethyl methacrylate	10.438	69	40792	20.568	ug/l	97
57) 1,3-Dichloropropane	10.719	76	62382	22.437	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	104794	108.069	ug/l	100
59) 2-Hexanone	10.762	43	80325	112.262	ug/l	95
60) Dibromochloromethane	10.908	129	54387	22.651	ug/l	98
61) 1,2-Dibromoethane	11.012	107	36377	22.218	ug/l	99
64) Tetrachloroethene	10.646	164	65477	22.405	ug/l	96
65) Chlorobenzene	11.444	112	148671	21.460	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	54779	22.460	ug/l	99
67) Ethyl Benzene	11.518	91	233947	20.644	ug/l	100
68) m/p-Xylenes	11.627	106	192656	42.722	ug/l	99
69) o-Xylene	11.957	106	85003	20.451	ug/l	97
70) Styrene	11.969	104	146776	21.032	ug/l	99
71) Bromoform	12.133	173	31521	22.230	ug/l #	98
73) Isopropylbenzene	12.255	105	227948	20.953	ug/l	100
74) N-amyl acetate	12.072	43	39824	21.306	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41636	22.700	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	31061m	22.270	ug/l	
77) Bromobenzene	12.530	156	58809	21.393	ug/l	97
78) n-propylbenzene	12.597	91	277323	21.406	ug/l	100
79) 2-Chlorotoluene	12.682	91	162059	21.509	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	193096	21.542	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	12330	21.289	ug/l	96
82) 4-Chlorotoluene	12.780	91	171823	21.938	ug/l	100
83) tert-Butylbenzene	12.999	119	167936	20.890	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	194646	21.710	ug/l	99
85) sec-Butylbenzene	13.176	105	251857	21.410	ug/l	99
86) p-Isopropyltoluene	13.292	119	207628	20.785	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	121365	21.737	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	120102	21.720	ug/l	99
89) n-Butylbenzene	13.615	91	183111	20.508	ug/l	99
90) Hexachloroethane	13.877	117	47889	21.820	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	106964	21.965	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6603	22.628	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	55017	19.937	ug/l	99
94) Hexachlorobutadiene	15.023	225	35158	20.708	ug/l	99
95) Naphthalene	15.145	128	86483	18.866	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	47559	19.966	ug/l	98

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

