

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022348.D
 Acq On : 20 May 2025 17:19
 Operator : SY/MD
 Sample : Q2032-05MS
 Misc : 6.25g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-24MS

Quant Time: May 21 01:53:21 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
 Supervised By :Semsettin Yesilyurt 05/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	98597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	170765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	154458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	73453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	71710	66.548	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.100%			
35) Dibromofluoromethane	7.634	113	61790	60.624	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.240%			
50) Toluene-d8	10.103	98	247206	59.221	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 118.440%			
62) 4-Bromofluorobenzene	12.401	95	75384	56.975	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.940%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	54451	52.926	ug/l	97
3) Chloromethane	2.068	50	97533	45.067	ug/l	96
4) Vinyl Chloride	2.202	62	139909	57.863	ug/l	97
5) Bromomethane	2.592	94	110318	56.047	ug/l	99
6) Chloroethane	2.732	64	96479	64.138	ug/l	100
7) Trichlorofluoromethane	3.056	101	135035	55.160	ug/l	97
8) Diethyl Ether	3.452	74	31820	54.162	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	59072	55.583	ug/l	97
10) Methyl Iodide	4.000	142	61911	50.332	ug/l	98
11) Tert butyl alcohol	4.866	59	25328	307.799	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	56454	53.528	ug/l	96
13) Acrolein	3.653	56	15045	125.066	ug/l	96
14) Allyl chloride	4.378	41	83633	45.225	ug/l	95
15) Acrylonitrile	5.061	53	77737	321.126	ug/l	98
16) Acetone	3.872	43	84549	418.451	ug/l	93
17) Carbon Disulfide	4.104	76	174294	50.680	ug/l	99
18) Methyl Acetate	4.385	43	53620	84.169	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	166440	57.235	ug/l	96
20) Methylene Chloride	4.616	84	63571	48.691	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	59970	51.516	ug/l	91
22) Diisopropyl ether	6.018	45	190926	48.890	ug/l	99
23) Vinyl Acetate	5.957	43	460119	195.025	ug/l	98
24) 1,1-Dichloroethane	5.915	63	109906	50.375	ug/l	99
25) 2-Butanone	6.890	43	100929	298.629	ug/l	99
26) 2,2-Dichloropropane	6.884	77	93246	48.052	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	69636	51.837	ug/l	96
28) Bromochloromethane	7.244	49	48596	52.219	ug/l	95
29) Tetrahydrofuran	7.256	42	65288	300.262	ug/l	95
30) Chloroform	7.421	83	109572	52.359	ug/l	99
31) Cyclohexane	7.695	56	104140	47.773	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	99747	51.953	ug/l	99
36) 1,1-Dichloropropene	7.835	75	82963	49.419	ug/l	99
37) Ethyl Acetate	6.982	43	45218	55.980	ug/l	98
38) Carbon Tetrachloride	7.817	117	85388	49.137	ug/l	99
39) Methylcyclohexane	9.103	83	112611	49.929	ug/l	94
40) Benzene	8.079	78	242026	48.631	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	22626	42.228	ug/l #	72
42) 1,2-Dichloroethane	8.158	62	71794	53.345	ug/l	97
43) Isopropyl Acetate	8.195	43	94849	53.843	ug/l	97
44) Trichloroethene	8.865	130	61675	49.840	ug/l	93
45) 1,2-Dichloropropane	9.140	63	58623	48.858	ug/l	99
46) Dibromomethane	9.231	93	35782	55.291	ug/l	98
47) Bromodichloromethane	9.420	83	85593	50.982	ug/l	96
48) Methyl methacrylate	9.219	41	42936	52.118	ug/l	92
49) 1,4-Dioxane	9.237	88	9123	1247.863	ug/l #	89
51) 4-Methyl-2-Pentanone	9.993	43	239701	277.314	ug/l	97
52) Toluene	10.170	92	152272	48.318	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	81763	49.903	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	91494	48.740	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	46854	56.539	ug/l	97
56) Ethyl methacrylate	10.438	69	69278	53.668	ug/l	97
57) 1,3-Dichloropropane	10.713	76	81165	55.125	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	166099	286.673	ug/l	99
59) 2-Hexanone	10.761	43	157385	271.568	ug/l	95
60) Dibromochloromethane	10.908	129	57057	53.046	ug/l	99
61) 1,2-Dibromoethane	11.011	107	44187	57.209	ug/l	99
64) Tetrachloroethene	10.646	164	67556	47.319	ug/l	97
65) Chlorobenzene	11.438	112	156693	44.966	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	55417	46.258	ug/l	99
67) Ethyl Benzene	11.517	91	289818	44.408	ug/l	98
68) m/p-Xylenes	11.627	106	218571	88.880	ug/l	98
69) o-Xylene	11.956	106	103265	44.383	ug/l	98
70) Styrene	11.969	104	172431	43.934	ug/l	98
71) Bromoform	12.133	173	32396	50.101	ug/l #	99
73) Isopropylbenzene	12.255	105	272467	44.775	ug/l	100
74) N-amyl acetate	12.066	43	70724	40.637	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	49803	53.217	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	37502m	50.395	ug/l	
77) Bromobenzene	12.529	156	59041	45.427	ug/l	100
78) n-propylbenzene	12.590	91	324607	44.225	ug/l	100
79) 2-Chlorotoluene	12.676	91	173702	43.064	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	212718	43.304	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	16984	46.234	ug/l	100
82) 4-Chlorotoluene	12.773	91	175161	42.219	ug/l	99
83) tert-Butylbenzene	12.999	119	200289	45.874	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	210512	43.171	ug/l	98
85) sec-Butylbenzene	13.176	105	294440	45.431	ug/l	99
86) p-Isopropyltoluene	13.291	119	236452	43.379	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	110665	41.710	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	108417	42.481	ug/l	99
89) n-Butylbenzene	13.615	91	215787	41.845	ug/l	100
90) Hexachloroethane	13.877	117	48695	44.255	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	99142	44.486	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7985	52.912	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	48226	37.462	ug/l	99
94) Hexachlorobutadiene	15.023	225	28085	39.121	ug/l	97
95) Naphthalene	15.145	128	116441	47.665	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	42800	39.191	ug/l	98

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

