

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021428.D
 Acq On : 06 Mar 2025 12:33
 Operator : SY/MD
 Sample : VY0306SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Quant Time: Mar 07 00:39:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
 Supervised By :Semsettin Yesilyurt 03/07/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	200172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	318431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112611	53.226	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.634	113	104961	50.146	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.300%			
50) Toluene-d8	10.109	98	392444	49.519	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.040%			
62) 4-Bromofluorobenzene	12.408	95	136984	50.814	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	33007	17.969	ug/l	94
3) Chloromethane	2.068	50	52532	20.284	ug/l	98
4) Vinyl Chloride	2.202	62	56741	20.049	ug/l	96
5) Bromomethane	2.592	94	44636	21.822	ug/l	98
6) Chloroethane	2.733	64	39312	21.019	ug/l	98
7) Trichlorofluoromethane	3.056	101	79025	20.005	ug/l	96
8) Diethyl Ether	3.452	74	22647	20.687	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	44869	19.895	ug/l	96
10) Methyl Iodide	4.007	142	41886	18.270	ug/l	99
11) Tert butyl alcohol	4.866	59	15090	95.800	ug/l	100
12) 1,1-Dichloroethene	3.781	96	39325	19.125	ug/l	93
13) Acrolein	3.647	56	17379	161.496	ug/l	92
14) Allyl chloride	4.385	41	63708	19.172	ug/l	100
15) Acrylonitrile	5.061	53	47217	101.322	ug/l	99
16) Acetone	3.879	43	36769	79.681	ug/l	90
17) Carbon Disulfide	4.104	76	120251	18.661	ug/l	99
18) Methyl Acetate	4.385	43	21063	20.572	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	104134	19.981	ug/l	95
20) Methylene Chloride	4.616	84	46665	19.265	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	44042	19.126	ug/l	94
22) Diisopropyl ether	6.019	45	146814	20.501	ug/l	99
23) Vinyl Acetate	5.964	43	414075	101.317	ug/l	99
24) 1,1-Dichloroethane	5.915	63	85556	20.243	ug/l	99
25) 2-Butanone	6.896	43	59669	93.477	ug/l	100
26) 2,2-Dichloropropane	6.884	77	69379	17.840	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	51434	19.661	ug/l	98
28) Bromochloromethane	7.244	49	36673	20.697	ug/l	98
29) Tetrahydrofuran	7.268	42	40269	102.187	ug/l	99
30) Chloroform	7.421	83	88331	20.126	ug/l	100
31) Cyclohexane	7.701	56	73140	18.459	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	77342	19.246	ug/l	99
36) 1,1-Dichloropropene	7.835	75	61060	18.637	ug/l	99
37) Ethyl Acetate	6.982	43	28431	19.633	ug/l	99
38) Carbon Tetrachloride	7.817	117	69637	18.481	ug/l	96
39) Methylcyclohexane	9.109	83	71256	17.731	ug/l	95
40) Benzene	8.079	78	186841	19.359	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16604m	21.058	ug/l	
42) 1,2-Dichloroethane	8.158	62	54457	20.169	ug/l	99
43) Isopropyl Acetate	8.195	43	55820	19.857	ug/l #	88
44) Trichloroethene	8.866	130	45767	18.765	ug/l	94
45) 1,2-Dichloropropane	9.140	63	46505	20.246	ug/l	96
46) Dibromomethane	9.231	93	26168	20.474	ug/l	97
47) Bromodichloromethane	9.420	83	67190	19.796	ug/l	98
48) Methyl methacrylate	9.219	41	24974	19.347	ug/l	99
49) 1,4-Dioxane	9.225	88	5504	438.744	ug/l #	91
51) 4-Methyl-2-Pentanone	10.000	43	146138	100.753	ug/l	98
52) Toluene	10.170	92	117027	19.233	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	58703	19.631	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	68234	19.219	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	33464	20.016	ug/l	98
56) Ethyl methacrylate	10.438	69	41900	19.651	ug/l	97
57) 1,3-Dichloropropane	10.719	76	58893	20.324	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	107422	109.136	ug/l	98
59) 2-Hexanone	10.762	43	94061	98.075	ug/l	98
60) Dibromochloromethane	10.914	129	45747	19.959	ug/l	98
61) 1,2-Dibromoethane	11.018	107	31502	19.965	ug/l	100
64) Tetrachloroethene	10.646	164	43645	18.343	ug/l	99
65) Chlorobenzene	11.444	112	128656	18.619	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	45244	18.520	ug/l	99
67) Ethyl Benzene	11.518	91	216170	17.824	ug/l	99
68) m/p-Xylenes	11.633	106	168512	36.598	ug/l	100
69) o-Xylene	11.957	106	77025	18.151	ug/l	100
70) Styrene	11.969	104	130672	18.561	ug/l	99
71) Bromoform	12.133	173	25622	18.762	ug/l #	97
73) Isopropylbenzene	12.255	105	205378	17.133	ug/l	100
74) N-amyl acetate	12.072	43	47083	18.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	39820	18.824	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	28901m	18.847	ug/l	
77) Bromobenzene	12.536	156	49192	17.541	ug/l	99
78) n-propylbenzene	12.597	91	254198	17.461	ug/l	100
79) 2-Chlorotoluene	12.682	91	146854	17.642	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	173931	17.854	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12183	18.061	ug/l	96
82) 4-Chlorotoluene	12.780	91	154146	17.882	ug/l	100
83) tert-Butylbenzene	12.999	119	149456	17.198	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	173214	17.908	ug/l	98
85) sec-Butylbenzene	13.176	105	224638	17.373	ug/l	100
86) p-Isopropyltoluene	13.292	119	186440	17.502	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	98755	17.691	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	98346	18.014	ug/l	99
89) n-Butylbenzene	13.621	91	171737	17.459	ug/l	99
90) Hexachloroethane	13.883	117	39531	17.395	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	87199	18.225	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6144	19.390	ug/l	92
93) 1,2,4-Trichlorobenzene	14.925	180	45266	17.321	ug/l	98
94) Hexachlorobutadiene	15.029	225	29954	18.285	ug/l	99
95) Naphthalene	15.145	128	71743	18.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	38134	17.350	ug/l	96

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

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