

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
 Data File : VY021408.D
 Acq On : 05 Mar 2025 13:23
 Operator : SY/MD
 Sample : VY0305SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0305SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 06 02:54:49 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	201041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	324142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	291860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125199	58.920	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.840%			
35) Dibromofluoromethane	7.634	113	116577	54.715	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.420%			
50) Toluene-d8	10.109	98	436802	54.145	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.300%			
62) 4-Bromofluorobenzene	12.408	95	150167	54.723	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	33231	18.013	ug/l	100
3) Chloromethane	2.068	50	51497	19.799	ug/l	99
4) Vinyl Chloride	2.202	62	57247	20.140	ug/l	98
5) Bromomethane	2.586	94	46445	22.608	ug/l	91
6) Chloroethane	2.732	64	39324	20.935	ug/l	100
7) Trichlorofluoromethane	3.056	101	78633	19.820	ug/l	99
8) Diethyl Ether	3.452	74	22874	20.805	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.805	101	43591	19.244	ug/l	98
10) Methyl Iodide	4.000	142	39500	17.155	ug/l	99
11) Tert butyl alcohol	4.860	59	17133	111.532	ug/l	100
12) 1,1-Dichloroethene	3.787	96	39242	19.002	ug/l	98
13) Acrolein	3.653	56	22369	206.968	ug/l	88
14) Allyl chloride	4.385	41	64477	19.320	ug/l	98
15) Acrylonitrile	5.055	53	49253	105.234	ug/l	99
16) Acetone	3.872	43	39199	84.580	ug/l	90
17) Carbon Disulfide	4.104	76	120116	18.559	ug/l	99
18) Methyl Acetate	4.385	43	22479	21.860	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	105913	20.235	ug/l	100
20) Methylene Chloride	4.616	84	50901	20.923	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	44469	19.228	ug/l	96
22) Diisopropyl ether	6.012	45	144821	20.136	ug/l	98
23) Vinyl Acetate	5.957	43	417412	101.692	ug/l	99
24) 1,1-Dichloroethane	5.915	63	84703	19.954	ug/l	97
25) 2-Butanone	6.890	43	61479	95.896	ug/l	98
26) 2,2-Dichloropropane	6.884	77	71921	18.414	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	51210	19.491	ug/l	98
28) Bromochloromethane	7.244	49	41531	23.337	ug/l	100
29) Tetrahydrofuran	7.262	42	41037	103.686	ug/l	99
30) Chloroform	7.414	83	88860	20.159	ug/l	99
31) Cyclohexane	7.701	56	72700	18.268	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	78159	19.366	ug/l	100
36) 1,1-Dichloropropene	7.835	75	60422	18.117	ug/l	99
37) Ethyl Acetate	6.988	43	28618	19.414	ug/l	98
38) Carbon Tetrachloride	7.817	117	68825	17.944	ug/l	97
39) Methylcyclohexane	9.109	83	71472	17.471	ug/l	96
40) Benzene	8.079	78	183943	18.723	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	13154	16.389	ug/l #	80
42) 1,2-Dichloroethane	8.158	62	54126	19.693	ug/l	99
43) Isopropyl Acetate	8.195	43	56825	19.858	ug/l #	87
44) Trichloroethene	8.865	130	45770	18.436	ug/l	94
45) 1,2-Dichloropropane	9.140	63	45562	19.486	ug/l	95
46) Dibromomethane	9.231	93	26801	20.600	ug/l	98
47) Bromodichloromethane	9.420	83	67238	19.461	ug/l	97
48) Methyl methacrylate	9.219	41	24819	18.888	ug/l	96
49) 1,4-Dioxane	9.231	88	5657	442.995	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	148465	100.554	ug/l	98
52) Toluene	10.170	92	116326	18.781	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	58266	19.141	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	68500	18.954	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	34408	20.218	ug/l	97
56) Ethyl methacrylate	10.438	69	42142	19.416	ug/l	99
57) 1,3-Dichloropropane	10.719	76	58515	19.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	113664	113.443	ug/l	99
59) 2-Hexanone	10.761	43	96128	98.464	ug/l	98
60) Dibromochloromethane	10.914	129	45075	19.320	ug/l	98
61) 1,2-Dibromoethane	11.018	107	31570	19.655	ug/l	98
64) Tetrachloroethene	10.646	164	44038	18.556	ug/l	98
65) Chlorobenzene	11.444	112	126311	18.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	45239	18.566	ug/l	99
67) Ethyl Benzene	11.517	91	214834	17.759	ug/l	99
68) m/p-Xylenes	11.627	106	165974	36.139	ug/l	97
69) o-Xylene	11.956	106	78391	18.520	ug/l	98
70) Styrene	11.969	104	129901	18.499	ug/l	99
71) Bromoform	12.133	173	26059	19.131	ug/l #	98
73) Isopropylbenzene	12.255	105	204580	17.228	ug/l	100
74) N-amyl acetate	12.072	43	46083	17.869	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40368	19.264	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	30667m	20.188	ug/l	
77) Bromobenzene	12.536	156	50134	18.046	ug/l	99
78) n-propylbenzene	12.596	91	252857	17.533	ug/l	100
79) 2-Chlorotoluene	12.682	91	147554	17.893	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	170075	17.624	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11885	17.786	ug/l	99
82) 4-Chlorotoluene	12.779	91	153571	17.984	ug/l	100
83) tert-Butylbenzene	12.999	119	150690	17.504	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	172723	18.026	ug/l	99
85) sec-Butylbenzene	13.176	105	222289	17.354	ug/l	100
86) p-Isopropyltoluene	13.291	119	186571	17.680	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	98953	17.894	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	97999	18.120	ug/l	99
89) n-Butylbenzene	13.621	91	171289	17.578	ug/l	99
90) Hexachloroethane	13.883	117	38963	17.307	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	86839	18.321	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6117	19.487	ug/l	93
93) 1,2,4-Trichlorobenzene	14.925	180	46609	18.004	ug/l	100
94) Hexachlorobutadiene	15.029	225	29484	18.168	ug/l	99
95) Naphthalene	15.145	128	72844	18.669	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	39473	18.129	ug/l	99

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

