

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021250.D
 Acq On : 20 Feb 2025 15:27
 Operator : SY/MD
 Sample : VY0220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2025
 Supervised By :Semsettin Yesilyurt 02/21/2025

Quant Time: Feb 21 02:41:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	161536	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	261363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	218672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	103741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	84311	50.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.880%		
35) Dibromofluoromethane	7.652	113	82687	49.366	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.740%		
50) Toluene-d8	10.121	98	308198	48.331	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.660%		
62) 4-Bromofluorobenzene	12.420	95	101602	48.770	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.540%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	33922	23.561	ug/l	99
3) Chloromethane	2.080	50	38375	27.011	ug/l	97
4) Vinyl Chloride	2.214	62	37354	26.122	ug/l	96
5) Bromomethane	2.611	94	21183	23.968	ug/l	99
6) Chloroethane	2.751	64	22213	26.095	ug/l	98
7) Trichlorofluoromethane	3.080	101	56717	21.771	ug/l	99
8) Diethyl Ether	3.470	74	16851	20.720	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.836	101	32667	19.979	ug/l	94
10) Methyl Iodide	4.025	142	41225	22.695	ug/l	94
11) Tert butyl alcohol	4.927	59	9655	86.085	ug/l #	89
12) 1,1-Dichloroethene	3.805	96	32161	20.881	ug/l	94
13) Acrolein	3.671	56	11744	67.999	ug/l	99
14) Allyl chloride	4.403	41	56918	21.927	ug/l	94
15) Acrylonitrile	5.086	53	33357	98.496	ug/l	98
16) Acetone	3.897	43	24640	95.465	ug/l	92
17) Carbon Disulfide	4.129	76	106704	22.093	ug/l	99
18) Methyl Acetate	4.409	43	18000	19.866	ug/l	94
19) Methyl tert-butyl Ether	5.141	73	78048	20.049	ug/l	97
20) Methylene Chloride	4.641	84	36627	22.827	ug/l	94
21) trans-1,2-Dichloroethene	5.141	96	36189	21.346	ug/l	93
22) Diisopropyl ether	6.037	45	117554	21.971	ug/l	94
23) Vinyl Acetate	5.982	43	315820	105.884	ug/l	96
24) 1,1-Dichloroethane	5.939	63	67460	21.520	ug/l	98
25) 2-Butanone	6.915	43	39875	94.015	ug/l	94
26) 2,2-Dichloropropane	6.902	77	56755	19.567	ug/l	98
27) cis-1,2-Dichloroethene	6.909	96	41069	21.045	ug/l	92
28) Bromochloromethane	7.268	49	25826	20.835	ug/l	97
29) Tetrahydrofuran	7.287	42	28336	98.733	ug/l	93
30) Chloroform	7.439	83	68259	21.199	ug/l	98
31) Cyclohexane	7.719	56	59037	20.913	ug/l	93
32) 1,1,1-Trichloroethane	7.640	97	61890	20.674	ug/l	100
36) 1,1-Dichloropropene	7.853	75	49344	19.889	ug/l	99
37) Ethyl Acetate	7.006	43	20117	18.484	ug/l	98
38) Carbon Tetrachloride	7.835	117	55417	19.117	ug/l	98
39) Methylcyclohexane	9.122	83	59090	19.472	ug/l	95
40) Benzene	8.097	78	148751	20.431	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	11146	17.702	ug/l	98
42) 1,2-Dichloroethane	8.177	62	40291	19.949	ug/l	96
43) Isopropyl Acetate	8.213	43	41987	19.415	ug/l #	85
44) Trichloroethene	8.878	130	36611	19.463	ug/l	98
45) 1,2-Dichloropropane	9.152	63	35442	20.509	ug/l	98
46) Dibromomethane	9.243	93	18152	18.972	ug/l	97
47) Bromodichloromethane	9.432	83	50451	19.661	ug/l	92
48) Methyl methacrylate	9.231	41	18625	18.907	ug/l	94
49) 1,4-Dioxane	9.262	88	3386	380.146	ug/l	95
51) 4-Methyl-2-Pentanone	10.012	43	100039	91.989	ug/l	96
52) Toluene	10.182	92	92464	20.226	ug/l	100
53) t-1,3-Dichloropropene	10.408	75	43790	19.005	ug/l	97
54) cis-1,3-Dichloropropene	9.871	75	53275	19.528	ug/l	91
55) 1,1,2-Trichloroethane	10.585	97	24175	19.512	ug/l	95
56) Ethyl methacrylate	10.451	69	30197	18.218	ug/l	88
57) 1,3-Dichloropropane	10.731	76	41863	19.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.725	63	69058	87.576	ug/l	99
59) 2-Hexanone	10.774	43	63360	90.488	ug/l	94
60) Dibromochloromethane	10.926	129	32430	18.638	ug/l	100
61) 1,2-Dibromoethane	11.024	107	21588	18.602	ug/l	99
64) Tetrachloroethene	10.658	164	31654	19.500	ug/l	96
65) Chlorobenzene	11.457	112	96110	19.739	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.530	131	33586	19.410	ug/l	98
67) Ethyl Benzene	11.530	91	170084	19.749	ug/l	99
68) m/p-Xylenes	11.639	106	129589	40.223	ug/l	97
69) o-Xylene	11.969	106	59416	19.781	ug/l	96
70) Styrene	11.981	104	99544	19.883	ug/l	99
71) Bromoform	12.145	173	17478	18.147	ug/l #	97
73) Isopropylbenzene	12.267	105	160857	19.850	ug/l	100
74) N-amyl acetate	12.084	43	32765	18.494	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.517	83	25465	18.895	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	18705m	19.877	ug/l	
77) Bromobenzene	12.542	156	36542	19.541	ug/l	95
78) n-propylbenzene	12.609	91	195636	20.266	ug/l	100
79) 2-Chlorotoluene	12.688	91	110955	20.068	ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	129954	19.779	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.316	75	8144	17.658	ug/l	94
82) 4-Chlorotoluene	12.792	91	113066	20.072	ug/l	99
83) tert-Butylbenzene	13.011	119	118226	19.797	ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	129629	20.178	ug/l	100
85) sec-Butylbenzene	13.188	105	168703	19.625	ug/l	98
86) p-Isopropyltoluene	13.304	119	140534	19.680	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	70378	19.491	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	69610	19.580	ug/l	99
89) n-Butylbenzene	13.627	91	124639	19.133	ug/l	99
90) Hexachloroethane	13.895	117	28900	19.400	ug/l	86
91) 1,2-Dichlorobenzene	13.670	146	60610	19.340	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	3688	18.312	ug/l	94
93) 1,2,4-Trichlorobenzene	14.931	180	32041	18.367	ug/l	99
94) Hexachlorobutadiene	15.035	225	21996	19.027	ug/l	99
95) Naphthalene	15.157	128	49678	17.800	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	26559	18.295	ug/l	96

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

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