

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021225\
 Data File : VY021178.D
 Acq On : 12 Feb 2025 12:35
 Operator : SY/MD
 Sample : VY0212SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/13/2025
 Supervised By :Semsettin Yesilyurt 02/13/2025

Quant Time: Feb 13 03:47:23 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	7.713	168	138642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	217538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	189924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	93219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	73849	51.988	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.980%			
35) Dibromofluoromethane	7.640	113	67965	48.751	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.500%			
50) Toluene-d8	10.109	98	256400	48.309	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.620%			
62) 4-Bromofluorobenzene	12.414	95	86288	49.764	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	18286	14.798	ug/l	93
3) Chloromethane	2.074	50	16607	13.620	ug/l	99
4) Vinyl Chloride	2.208	62	16742	13.641	ug/l	97
5) Bromomethane	2.598	94	10800	14.238	ug/l	97
6) Chloroethane	2.739	64	10982	15.032	ug/l	93
7) Trichlorofluoromethane	3.068	101	35402	15.833	ug/l	97
8) Diethyl Ether	3.464	74	12200	17.478	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	23635	16.842	ug/l	96
10) Methyl Iodide	4.013	142	21614	13.864	ug/l	91
11) Tert butyl alcohol	4.872	59	11276	117.140	ug/l #	84
12) 1,1-Dichloroethene	3.799	96	19724	14.921	ug/l	91
13) Acrolein	3.665	56	13370	90.197	ug/l	95
14) Allyl chloride	4.391	41	36642	16.447	ug/l	94
15) Acrylonitrile	5.067	53	28723	98.818	ug/l	96
16) Acetone	3.879	43	22448	101.335	ug/l	95
17) Carbon Disulfide	4.110	76	42459	10.243	ug/l	99
18) Methyl Acetate	4.403	43	15616	20.081	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	65175	19.506	ug/l	97
20) Methylene Chloride	4.622	84	23475	17.047	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	22313	15.334	ug/l	92
22) Diisopropyl ether	6.031	45	87958	19.154	ug/l	96
23) Vinyl Acetate	5.970	43	246718	96.376	ug/l	98
24) 1,1-Dichloroethane	5.927	63	48014	17.846	ug/l	98
25) 2-Butanone	6.902	43	38347	105.342	ug/l	94
26) 2,2-Dichloropropane	6.896	77	45312	18.201	ug/l	96
27) cis-1,2-Dichloroethene	6.902	96	29185	17.425	ug/l	93
28) Bromochloromethane	7.256	49	20506	19.274	ug/l	98
29) Tetrahydrofuran	7.274	42	24875	100.986	ug/l	97
30) Chloroform	7.433	83	50586	18.305	ug/l	99
31) Cyclohexane	7.713	56	35844	14.794	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	45988	17.899	ug/l	99
36) 1,1-Dichloropropene	7.841	75	33013	15.987	ug/l	98
37) Ethyl Acetate	6.988	43	18379	20.289	ug/l	98
38) Carbon Tetrachloride	7.823	117	41735	17.297	ug/l	97
39) Methylcyclohexane	9.115	83	37241	14.744	ug/l	93
40) Benzene	8.085	78	103225	17.034	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	10018	19.115	ug/l	96
42) 1,2-Dichloroethane	8.164	62	30993	18.437	ug/l	97
43) Isopropyl Acetate	8.201	43	36683	20.380	ug/l #	82
44) Trichloroethene	8.872	130	25458	16.261	ug/l	99
45) 1,2-Dichloropropane	9.146	63	27179	18.896	ug/l	98
46) Dibromomethane	9.237	93	14357	18.028	ug/l	96
47) Bromodichloromethane	9.426	83	40751	19.080	ug/l	100
48) Methyl methacrylate	9.225	41	16330	19.917	ug/l	93
49) 1,4-Dioxane	9.237	88	3033	409.115	ug/l	88
51) 4-Methyl-2-Pentanone	10.005	43	96181	106.259	ug/l	97
52) Toluene	10.176	92	64938	17.066	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	35965	18.753	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	41249	18.166	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	20336	19.720	ug/l	94
56) Ethyl methacrylate	10.444	69	26827	19.446	ug/l	90
57) 1,3-Dichloropropane	10.719	76	34626	19.399	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	66582	101.446	ug/l	100
59) 2-Hexanone	10.768	43	61809	106.056	ug/l	96
60) Dibromochloromethane	10.914	129	27031	18.665	ug/l	99
61) 1,2-Dibromoethane	11.024	107	18030	18.666	ug/l	97
64) Tetrachloroethene	10.652	164	22465	15.934	ug/l	97
65) Chlorobenzene	11.450	112	74746	17.675	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	28095	18.694	ug/l	96
67) Ethyl Benzene	11.524	91	129466	17.308	ug/l	97
68) m/p-Xylenes	11.633	106	97875	34.977	ug/l	99
69) o-Xylene	11.956	106	45697	17.516	ug/l	95
70) Styrene	11.975	104	79153	18.204	ug/l	99
71) Bromoform	12.139	173	16584	19.825	ug/l #	97
73) Isopropylbenzene	12.261	105	125098	17.180	ug/l	99
74) N-amyl acetate	12.078	43	30562	19.197	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	23867	19.708	ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	17215m	20.358	ug/l	
77) Bromobenzene	12.536	156	29897	17.792	ug/l	93
78) n-propylbenzene	12.603	91	150698	17.373	ug/l	99
79) 2-Chlorotoluene	12.682	91	88204	17.754	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	104009	17.617	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	8116	19.584	ug/l	97
82) 4-Chlorotoluene	12.779	91	89638	17.709	ug/l	100
83) tert-Butylbenzene	13.005	119	94076	17.531	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	101777	17.631	ug/l	98
85) sec-Butylbenzene	13.182	105	137496	17.800	ug/l	99
86) p-Isopropyltoluene	13.298	119	112941	17.601	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	58304	17.970	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	58675	18.367	ug/l	99
89) n-Butylbenzene	13.621	91	102435	17.499	ug/l	99
90) Hexachloroethane	13.883	117	23942	17.886	ug/l	88
91) 1,2-Dichlorobenzene	13.663	146	51914	18.435	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3702	20.456	ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	27628	17.625	ug/l	98
94) Hexachlorobutadiene	15.029	225	18538	17.846	ug/l	96
95) Naphthalene	15.151	128	48985	19.533	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	24482	18.767	ug/l	98

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

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