

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021271.D
 Acq On : 20 Feb 2025 23:43
 Operator : SY/MD
 Sample : Q1380-07MS
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-192-GW-725-727MS

Quant Time: Feb 21 05:43:33 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	76913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	116618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	94467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	39201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	40587	51.504	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.000%			
35) Dibromofluoromethane	7.646	113	37728	50.481	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.960%			
50) Toluene-d8	10.115	98	134013	47.100	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.200%			
62) 4-Bromofluorobenzene	12.414	95	40765	43.855	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	45311	66.098	ug/l	97
3) Chloromethane	2.074	50	45812	67.725	ug/l	100
4) Vinyl Chloride	2.214	62	50485	74.149	ug/l	97
5) Bromomethane	2.610	94	29083	69.111	ug/l	93
6) Chloroethane	2.751	64	31528	77.789	ug/l	97
7) Trichlorofluoromethane	3.074	101	90267	72.771	ug/l	99
8) Diethyl Ether	3.470	74	24258	62.645	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.830	101	55546	71.349	ug/l	96
10) Methyl Iodide	4.025	142	49398	57.114	ug/l	93
11) Tert butyl alcohol	4.884	59	12444	233.027	ug/l #	91
12) 1,1-Dichloroethene	3.805	96	49166	67.043	ug/l	93
13) Acrolein	3.665	56	11368	138.243	ug/l	98
14) Allyl chloride	4.403	41	81153	65.660	ug/l	93
15) Acrylonitrile	5.080	53	55348	343.245	ug/l	98
16) Acetone	3.879	43	45549	370.641	ug/l	90
17) Carbon Disulfide	4.122	76	133453	58.033	ug/l	100
18) Methyl Acetate	4.403	43	32411	75.129	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	119868	64.669	ug/l	98
20) Methylene Chloride	4.628	84	51591	67.530	ug/l	94
21) trans-1,2-Dichloroethene	5.134	96	49252	61.013	ug/l	91
22) Diisopropyl ether	6.037	45	177571	69.703	ug/l	96
23) Vinyl Acetate	5.976	43	480228	338.150	ug/l	97
24) 1,1-Dichloroethane	5.933	63	99487	66.654	ug/l	100
25) 2-Butanone	6.908	43	66481	329.203	ug/l	99
26) 2,2-Dichloropropane	6.902	77	89515	64.816	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	58397	62.850	ug/l	92
28) Bromochloromethane	7.256	49	34941	59.201	ug/l	96
29) Tetrahydrofuran	7.268	42	44331	324.414	ug/l	92
30) Chloroform	7.433	83	101444	66.169	ug/l	98
31) Cyclohexane	7.719	56	81196	60.409	ug/l	94
32) 1,1,1-Trichloroethane	7.634	97	96554	67.739	ug/l	99
36) 1,1-Dichloropropene	7.847	75	73867	66.728	ug/l	98
37) Ethyl Acetate	6.994	43	32719	67.376	ug/l	98
38) Carbon Tetrachloride	7.835	117	87730	67.826	ug/l	99
39) Methylcyclohexane	9.115	83	72789	53.757	ug/l	93
40) Benzene	8.091	78	215186	66.240	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	19172	68.240	ug/l	95
42) 1,2-Dichloroethane	8.170	62	61976	68.773	ug/l	97
43) Isopropyl Acetate	8.207	43	64883	67.240	ug/l	97
44) Trichloroethene	8.872	130	51366	61.201	ug/l	95
45) 1,2-Dichloropropane	9.152	63	52124	67.601	ug/l	100
46) Dibromomethane	9.243	93	28370	66.453	ug/l	97
47) Bromodichloromethane	9.432	83	76897	67.161	ug/l	98
48) Methyl methacrylate	9.231	41	29410	66.911	ug/l	91
49) 1,4-Dioxane	9.243	88	5261	1323.764	ug/l #	86
51) 4-Methyl-2-Pentanone	10.005	43	161538	332.905	ug/l	95
52) Toluene	10.182	92	128421	62.958	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	65157	63.377	ug/l	97
54) cis-1,3-Dichloropropene	9.865	75	74737	61.397	ug/l #	90
55) 1,1,2-Trichloroethane	10.579	97	37800	68.375	ug/l	97
56) Ethyl methacrylate	10.444	69	46866	63.370	ug/l	87
57) 1,3-Dichloropropane	10.725	76	65496	68.447	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	3906	11.101	ug/l	97
59) 2-Hexanone	10.768	43	102181	327.057	ug/l	93
60) Dibromochloromethane	10.920	129	49938	64.323	ug/l	99
61) 1,2-Dibromoethane	11.024	107	33096	63.914	ug/l	100
64) Tetrachloroethene	10.658	164	42092	60.022	ug/l	96
65) Chlorobenzene	11.450	112	128853	61.257	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.524	131	49839	66.673	ug/l	97
67) Ethyl Benzene	11.530	91	226825	60.967	ug/l	99
68) m/p-Xylenes	11.633	106	164941	118.507	ug/l	97
69) o-Xylene	11.962	106	79391	61.181	ug/l	97
70) Styrene	11.975	104	89450	41.359	ug/l	92
71) Bromoform	12.139	173	27322	65.665	ug/l #	97
73) Isopropylbenzene	12.261	105	198421	64.798	ug/l	100
74) N-amyl acetate	12.078	43	51302	76.630	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	40696	79.910	ug/l	97
76) 1,2,3-Trichloropropane	12.566	75	25613m	72.027	ug/l	
77) Bromobenzene	12.542	156	45754	64.749	ug/l	98
78) n-propylbenzene	12.603	91	216304	59.298	ug/l	99
79) 2-Chlorotoluene	12.688	91	125770	60.199	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	138094	55.622	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	12745	73.132	ug/l	92
82) 4-Chlorotoluene	12.785	91	123820	58.169	ug/l	99
83) tert-Butylbenzene	13.005	119	126842	56.208	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	136863	56.380	ug/l	99
85) sec-Butylbenzene	13.182	105	159919	49.230	ug/l	99
86) p-Isopropyltoluene	13.298	119	125252	46.418	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	68365	50.105	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	69053	51.400	ug/l	99
89) n-Butylbenzene	13.627	91	92670	37.645	ug/l	98
90) Hexachloroethane	13.889	117	28323	50.314	ug/l	89
91) 1,2-Dichlorobenzene	13.669	146	63563	53.674	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5243	68.893	ug/l	94
93) 1,2,4-Trichlorobenzene	14.931	180	15625	23.704	ug/l	98
94) Hexachlorobutadiene	15.035	225	8481	19.415	ug/l	97
95) Naphthalene	15.157	128	38060	36.089	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	13833	25.216	ug/l	98

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

