

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010722\
 Data File : VY007066.D
 Acq On : 07 Jan 2022 20:23
 Operator : SY/MD
 Sample : VY0107SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0107SBS02

Quant Time: Jan 08 04:13:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:51:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	145202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	252284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	224472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	97706	57.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.020%			
35) Dibromofluoromethane	7.722	113	91358	55.089	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.180%			
50) Toluene-d8	10.185	98	340168	55.208	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.420%			
62) 4-Bromofluorobenzene	12.483	95	121991	52.571	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	10088	20.545	ug/l	76
3) Chloromethane	2.119	50	20157	19.244	ug/l	91
4) Vinyl Chloride	2.259	62	32402	23.164	ug/l	99
5) Bromomethane	2.656	94	20223	21.554	ug/l	97
6) Chloroethane	2.802	64	19610	22.835	ug/l	96
7) Trichlorofluoromethane	3.131	101	39540	23.214	ug/l	95
8) Diethyl Ether	3.534	74	20157	21.027	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	34389	20.256	ug/l	98
10) Methyl Iodide	4.094	142	53430	20.207	ug/l	99
11) Tert butyl alcohol	4.960	59	16408	106.156	ug/l	99
12) 1,1-Dichloroethene	3.875	96	35089	19.861	ug/l	97
13) Acrolein	3.741	56	5891	123.197	ug/l	98
14) Allyl chloride	4.485	41	54085	20.106	ug/l	98
15) Acrylonitrile	5.167	53	49341	104.419	ug/l	98
16) Acetone	3.948	43	36921	97.774	ug/l	97
17) Carbon Disulfide	4.198	76	101010	19.484	ug/l	100
18) Methyl Acetate	4.479	43	37013	22.846	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	74362	22.632	ug/l	99
20) Methylene Chloride	4.716	84	43638	9.041	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	38442	20.455	ug/l	98
22) Diisopropyl ether	6.125	45	112020	21.359	ug/l	99
23) Vinyl Acetate	6.064	43	327727	101.852	ug/l	98
24) 1,1-Dichloroethane	6.021	63	67503	20.938	ug/l	99
25) 2-Butanone	6.990	43	61173	112.510	ug/l	99
26) 2,2-Dichloropropane	6.990	77	50345	20.531	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	44008	20.987	ug/l	97
28) Bromochloromethane	7.344	49	22682	19.054	ug/l	99
29) Tetrahydrofuran	7.356	42	42120	104.280	ug/l	100
30) Chloroform	7.515	83	71459	21.208	ug/l	98
31) Cyclohexane	7.789	56	63208	19.716	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	60772	20.286	ug/l	99
36) 1,1-Dichloropropene	7.923	75	55240	19.985	ug/l	99
37) Ethyl Acetate	7.082	43	29672	20.925	ug/l	98
38) Carbon Tetrachloride	7.905	117	57225	19.795	ug/l	98
39) Methylcyclohexane	9.185	83	68905	19.022	ug/l	99
40) Benzene	8.167	78	150472	20.002	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	18294m	22.965	ug/l	
42) 1,2-Dichloroethane	8.240	62	46897	20.507	ug/l	99
43) Isopropyl Acetate	8.277	43	56316	20.626	ug/l	99
44) Trichloroethene	8.947	130	41322	19.670	ug/l	94
45) 1,2-Dichloropropane	9.222	63	38033	20.743	ug/l	97
46) Dibromomethane	9.307	93	22854	20.597	ug/l	99
47) Bromodichloromethane	9.502	83	55078	20.389	ug/l	96
48) Methyl methacrylate	9.295	41	25048	19.479	ug/l	96
49) 1,4-Dioxane	9.307	88	5311	477.299	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	142863	105.490	ug/l	100
52) Toluene	10.246	92	96008	19.836	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	58421	20.080	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	65116	20.159	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	30529	19.997	ug/l	99
56) Ethyl methacrylate	10.514	69	44924	20.504	ug/l	99
57) 1,3-Dichloropropane	10.794	76	54339	20.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	103380	107.578	ug/l	97
59) 2-Hexanone	10.837	43	96347	109.816	ug/l	99
60) Dibromochloromethane	10.990	129	37718	20.198	ug/l	100
61) 1,2-Dibromoethane	11.093	107	31658	20.658	ug/l	99
64) Tetrachloroethene	10.721	164	33398	19.610	ug/l	98
65) Chlorobenzene	11.520	112	101995	20.073	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	37035	20.344	ug/l	100
67) Ethyl Benzene	11.593	91	188545	20.052	ug/l	97
68) m/p-Xylenes	11.709	106	142269	39.727	ug/l	100
69) o-Xylene	12.032	106	67523	20.105	ug/l	99
70) Styrene	12.050	104	112673	19.748	ug/l	99
71) Bromoform	12.209	173	22369	20.347	ug/l #	98
73) Isopropylbenzene	12.331	105	177254	19.602	ug/l	100
74) N-amyl acetate	12.148	43	46302	19.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	36260	21.010	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	25238m	19.691	ug/l	
77) Bromobenzene	12.611	156	39876	20.259	ug/l	99
78) n-propylbenzene	12.672	91	217235	19.742	ug/l	98
79) 2-Chlorotoluene	12.758	91	124563	19.850	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	148496	19.875	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	13014	18.545	ug/l #	97
82) 4-Chlorotoluene	12.855	91	128667	19.748	ug/l	99
83) tert-Butylbenzene	13.081	119	128890	19.566	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	145849	19.839	ug/l	99
85) sec-Butylbenzene	13.257	105	188944	19.682	ug/l	99
86) p-Isopropyltoluene	13.373	119	154842	19.623	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	76765	20.161	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	76483	20.051	ug/l	99
89) n-Butylbenzene	13.696	91	149536	19.627	ug/l	99
90) Hexachloroethane	13.965	117	30528	19.480	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	68198	20.224	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6107	18.897	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	40550	19.766	ug/l	98
94) Hexachlorobutadiene	15.117	225	20477	19.058	ug/l	99
95) Naphthalene	15.239	128	87051	19.001	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	34667	19.585	ug/l	99

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

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