

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007180.D
 Acq On : 17 Jan 2022 11:05
 Operator : SY/MD
 Sample : VY0117SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0117SBS01

Quant Time: Jan 17 17:45:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/18/2022
 Supervised By : Mahesh Dadoda 01/18/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	144092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	241763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	213435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89916	50.857	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.720%			
35) Dibromofluoromethane	7.716	113	80601	49.304	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.600%			
50) Toluene-d8	10.179	98	295253	49.428	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.860%			
62) 4-Bromofluorobenzene	12.483	95	107216	50.459	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	9631	19.062	ug/l	97
3) Chloromethane	2.119	50	18044	17.030	ug/l	94
4) Vinyl Chloride	2.259	62	27980	18.144	ug/l	97
5) Bromomethane	2.656	94	18022	18.048	ug/l	95
6) Chloroethane	2.796	64	18054	18.764	ug/l	95
7) Trichlorofluoromethane	3.131	101	33275	20.022	ug/l	95
8) Diethyl Ether	3.528	74	17760	19.406	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.906	101	30401	18.775	ug/l	99
10) Methyl Iodide	4.088	142	43039	17.971	ug/l	98
11) Tert butyl alcohol	4.960	59	16504	106.718	ug/l	96
12) 1,1-Dichloroethene	3.875	96	29938	18.361	ug/l	97
13) Acrolein	3.729	56	4585	117.999	ug/l	98
14) Allyl chloride	4.485	41	50770	19.420	ug/l	96
15) Acrylonitrile	5.161	53	45793	104.115	ug/l	99
16) Acetone	3.942	43	40206	87.624	ug/l	99
17) Carbon Disulfide	4.198	76	77256	17.062	ug/l	97
18) Methyl Acetate	4.479	43	36593	22.413	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	64608	20.127	ug/l	98
20) Methylene Chloride	4.710	84	35279	18.594	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	33290	18.833	ug/l	98
22) Diisopropyl ether	6.119	45	103598	19.560	ug/l	98
23) Vinyl Acetate	6.058	43	299032	96.005	ug/l	98
24) 1,1-Dichloroethane	6.015	63	61647	19.134	ug/l	99
25) 2-Butanone	6.984	43	58837	99.178	ug/l	100
26) 2,2-Dichloropropane	6.984	77	45729	19.475	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	37778	18.840	ug/l	95
28) Bromochloromethane	7.338	49	20314	17.431	ug/l	95
29) Tetrahydrofuran	7.344	42	39162	102.693	ug/l	98
30) Chloroform	7.509	83	65767	19.646	ug/l	99
31) Cyclohexane	7.789	56	55135	18.446	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	55202	19.293	ug/l	98
36) 1,1-Dichloropropene	7.917	75	49579	18.989	ug/l	99
37) Ethyl Acetate	7.076	43	27005	20.154	ug/l	100
38) Carbon Tetrachloride	7.899	117	52300	19.044	ug/l	99
39) Methylcyclohexane	9.185	83	58961	18.496	ug/l	98
40) Benzene	8.161	78	131719	18.913	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	16629m	21.551	ug/l	
42) 1,2-Dichloroethane	8.240	62	44338	20.217	ug/l	98
43) Isopropyl Acetate	8.277	43	53032	20.341	ug/l	97
44) Trichloroethene	8.941	130	35705	18.945	ug/l	96
45) 1,2-Dichloropropane	9.216	63	33728	19.044	ug/l	92
46) Dibromomethane	9.307	93	20202	19.289	ug/l	99
47) Bromodichloromethane	9.496	83	50667	19.679	ug/l	99
48) Methyl methacrylate	9.295	41	23399	19.731	ug/l	97
49) 1,4-Dioxane	9.301	88	4764	421.873	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	135206	102.276	ug/l	97
52) Toluene	10.246	92	85314	19.325	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	53770	19.784	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	59058	19.412	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	27382	19.275	ug/l	96
56) Ethyl methacrylate	10.508	69	39715	19.844	ug/l	96
57) 1,3-Dichloropropane	10.795	76	49456	19.972	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	944	1.037	ug/l	99
59) 2-Hexanone	10.837	43	92093	102.648	ug/l	97
60) Dibromochloromethane	10.984	129	34571	19.796	ug/l	100
61) 1,2-Dibromoethane	11.093	107	27249	19.525	ug/l	99
64) Tetrachloroethene	10.721	164	28795	18.717	ug/l	97
65) Chlorobenzene	11.520	112	89074	19.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	33785	19.529	ug/l	99
67) Ethyl Benzene	11.593	91	170204	19.404	ug/l	100
68) m/p-Xylenes	11.703	106	125603	38.533	ug/l	100
69) o-Xylene	12.032	106	58967	19.210	ug/l	99
70) Styrene	12.044	104	99952	19.302	ug/l	99
71) Bromoform	12.209	173	20223	20.209	ug/l #	98
73) Isopropylbenzene	12.337	105	160954	19.130	ug/l	99
74) N-amyl acetate	12.148	43	45919	20.409	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	32150	19.650	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	22469m	20.228	ug/l	
77) Bromobenzene	12.611	156	34327	18.750	ug/l	95
78) n-propylbenzene	12.672	91	196591	18.848	ug/l	100
79) 2-Chlorotoluene	12.758	91	112302	19.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	133589	19.337	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	11884	19.586	ug/l #	98
82) 4-Chlorotoluene	12.855	91	116861	19.318	ug/l	99
83) tert-Butylbenzene	13.081	119	116463	19.510	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	133382	19.478	ug/l	99
85) sec-Butylbenzene	13.258	105	172767	19.346	ug/l	97
86) p-Isopropyltoluene	13.373	119	139299	18.981	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	68235	19.041	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	67743	18.800	ug/l	99
89) n-Butylbenzene	13.703	91	138981	19.233	ug/l	98
90) Hexachloroethane	13.965	117	28133	19.608	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	59689	18.720	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5704	20.186	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	35194	18.151	ug/l	99
94) Hexachlorobutadiene	15.117	225	19161	19.175	ug/l	94
95) Naphthalene	15.239	128	77275	18.764	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	30357	18.352	ug/l	100

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

