

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021022\
 Data File : VY007465.D
 Acq On : 10 Feb 2022 12:10
 Operator : SY/MD
 Sample : VY0210SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2022
 Supervised By : Mahesh Dadoda 02/11/2022

Quant Time: Feb 11 00:48:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	134643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	226410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	196384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	79643	51.425	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.840%			
35) Dibromofluoromethane	7.722	113	74932	51.540	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.080%			
50) Toluene-d8	10.185	98	278784	51.902	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.800%			
62) 4-Bromofluorobenzene	12.483	95	92754	50.806	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.620%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	30552	19.381	ug/l	100
3) Chloromethane	2.113	50	32636	16.642	ug/l	98
4) Vinyl Chloride	2.253	62	35300	18.990	ug/l	97
5) Bromomethane	2.650	94	23863	21.193	ug/l	97
6) Chloroethane	2.796	64	21878	19.164	ug/l	99
7) Trichlorofluoromethane	3.131	101	58717	19.492	ug/l	96
8) Diethyl Ether	3.534	74	17744	19.844	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.905	101	33355	19.661	ug/l	90
10) Methyl Iodide	4.100	142	35150	19.219	ug/l	94
11) Tert butyl alcohol	4.954	59	14026	37.982	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	29591	18.882	ug/l	94
13) Acrolein	3.735	56	15723	75.573	ug/l	100
14) Allyl chloride	4.491	41	45607	18.948	ug/l #	95
15) Acrylonitrile	5.173	53	41266	98.229	ug/l	99
16) Acetone	3.948	43	41704	82.913	ug/l	95
17) Carbon Disulfide	4.204	76	90580	18.411	ug/l	99
18) Methyl Acetate	4.478	43	19225	20.407	ug/l #	86
19) Methyl tert-butyl Ether	5.222	73	85651	19.399	ug/l	95
20) Methylene Chloride	4.722	84	32403	18.428	ug/l	85
21) trans-1,2-Dichloroethene	5.228	96	33243	19.175	ug/l	87
22) Diisopropyl ether	6.125	45	94837	18.804	ug/l #	96
23) Vinyl Acetate	6.064	43	313423	95.288	ug/l	95
24) 1,1-Dichloroethane	6.021	63	57344	18.826	ug/l	98
25) 2-Butanone	6.990	43	54411	89.535	ug/l #	84
26) 2,2-Dichloropropane	6.984	77	54520	18.706	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	36000	18.799	ug/l	90
28) Bromochloromethane	7.338	49	22466	18.863	ug/l #	89
29) Tetrahydrofuran	7.350	42	34949	99.523	ug/l	89
30) Chloroform	7.515	83	60501	19.094	ug/l	98
31) Cyclohexane	7.789	56	56363	18.651	ug/l	92
32) 1,1,1-Trichloroethane	7.710	97	56099	19.049	ug/l	96
36) 1,1-Dichloropropene	7.923	75	47813	18.811	ug/l	99
37) Ethyl Acetate	7.076	43	23886	18.903	ug/l #	94
38) Carbon Tetrachloride	7.905	117	49906	18.689	ug/l	99
39) Methylcyclohexane	9.185	83	58446	18.310	ug/l	88
40) Benzene	8.167	78	128267	19.039	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	12399m	19.746	ug/l	
42) 1,2-Dichloroethane	8.240	62	39132	19.107	ug/l	94
43) Isopropyl Acetate	8.277	43	45518	19.262	ug/l #	92
44) Trichloroethene	8.947	130	34445	18.909	ug/l	98
45) 1,2-Dichloropropane	9.222	63	31244	18.807	ug/l	99
46) Dibromomethane	9.307	93	18797	19.018	ug/l	91
47) Bromodichloromethane	9.502	83	46758	19.564	ug/l	99
48) Methyl methacrylate	9.295	41	20414	19.102	ug/l #	86
49) 1,4-Dioxane	9.307	88	4681	432.365	ug/l #	87
51) 4-Methyl-2-Pentanone	10.075	43	115293	96.197	ug/l	90
52) Toluene	10.246	92	80415	18.944	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	46417	18.590	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	53927	19.283	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	25574	19.701	ug/l	99
56) Ethyl methacrylate	10.514	69	35065	19.448	ug/l #	84
57) 1,3-Dichloropropane	10.794	76	44207	19.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	89671	95.611	ug/l	97
59) 2-Hexanone	10.831	43	81203	92.935	ug/l	91
60) Dibromochloromethane	10.989	129	31106	19.248	ug/l	99
61) 1,2-Dibromoethane	11.093	107	25079	19.528	ug/l	99
64) Tetrachloroethene	10.721	164	30925	20.066	ug/l	96
65) Chlorobenzene	11.520	112	83359	19.081	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	31621	19.389	ug/l	98
67) Ethyl Benzene	11.593	91	158354	19.102	ug/l	99
68) m/p-Xylenes	11.703	106	117343	38.217	ug/l	100
69) o-Xylene	12.032	106	55979	19.283	ug/l	98
70) Styrene	12.044	104	92016	19.228	ug/l	99
71) Bromoform	12.209	173	17569	19.526	ug/l #	100
73) Isopropylbenzene	12.331	105	152405	18.701	ug/l	98
74) N-amyl acetate	12.148	43	38062	18.868	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	27715	18.622	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	19245m	18.154	ug/l	
77) Bromobenzene	12.611	156	32254	18.789	ug/l	97
78) n-propylbenzene	12.672	91	185533	18.796	ug/l	99
79) 2-Chlorotoluene	12.757	91	102680	18.788	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	125806	18.923	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	10395	19.645	ug/l	84
82) 4-Chlorotoluene	12.855	91	105574	18.808	ug/l	98
83) tert-Butylbenzene	13.074	119	108364	18.723	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	124206	18.975	ug/l	99
85) sec-Butylbenzene	13.251	105	165363	19.049	ug/l	98
86) p-Isopropyltoluene	13.373	119	133597	18.892	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	64394	19.347	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	62695	18.896	ug/l	97
89) n-Butylbenzene	13.696	91	129855	19.078	ug/l	99
90) Hexachloroethane	13.958	117	25238	18.884	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	55727	19.022	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4620	19.102	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	33153	19.109	ug/l	97
94) Hexachlorobutadiene	15.111	225	19146	19.935	ug/l	99
95) Naphthalene	15.239	128	71345	19.788	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	28726	19.615	ug/l	98

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

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