

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010722\
 Data File : VY007052.D
 Acq On : 07 Jan 2022 14:47
 Operator : SY/MD
 Sample : VY0107SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0107SBS01

Quant Time: Jan 08 04:09:04 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	147839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	249790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	224608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	99134	56.807	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.620%			
35) Dibromofluoromethane	7.722	113	91663	55.825	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.640%			
50) Toluene-d8	10.185	98	339247	55.608	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.220%			
62) 4-Bromofluorobenzene	12.483	95	124234	54.072	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.140%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	12042	24.087	ug/l	92
3) Chloromethane	2.119	50	26342	24.676	ug/l	100
4) Vinyl Chloride	2.260	62	32872	23.081	ug/l	96
5) Bromomethane	2.656	94	22165	23.203	ug/l	100
6) Chloroethane	2.802	64	21053	24.078	ug/l	95
7) Trichlorofluoromethane	3.125	101	36695	21.160	ug/l	96
8) Diethyl Ether	3.528	74	19693	20.177	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.906	101	35241	20.387	ug/l	99
10) Methyl Iodide	4.095	142	54904	20.394	ug/l	99
11) Tert butyl alcohol	4.966	59	16664	105.889	ug/l	97
12) 1,1-Dichloroethene	3.875	96	36869	20.496	ug/l	94
13) Acrolein	3.729	56	5926	121.719	ug/l	97
14) Allyl chloride	4.485	41	56838	20.752	ug/l	98
15) Acrylonitrile	5.168	53	49787	103.484	ug/l	99
16) Acetone	3.948	43	39482	102.691	ug/l	97
17) Carbon Disulfide	4.198	76	104755	19.846	ug/l	98
18) Methyl Acetate	4.479	43	35782	21.693	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	72488	21.668	ug/l	99
20) Methylene Chloride	4.716	84	100912	39.187	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	39099	20.433	ug/l	98
22) Diisopropyl ether	6.125	45	113068	21.174	ug/l	99
23) Vinyl Acetate	6.064	43	333597	101.827	ug/l	99
24) 1,1-Dichloroethane	6.021	63	68961	21.009	ug/l	97
25) 2-Butanone	6.990	43	59624	107.705	ug/l	97
26) 2,2-Dichloropropane	6.984	77	53066	21.254	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	44588	20.884	ug/l	97
28) Bromochloromethane	7.338	49	22768	18.814	ug/l	98
29) Tetrahydrofuran	7.350	42	42045	102.237	ug/l	98
30) Chloroform	7.515	83	73278	21.360	ug/l	97
31) Cyclohexane	7.789	56	65900	20.189	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	63519	20.825	ug/l	100
36) 1,1-Dichloropropene	7.923	75	57930	21.168	ug/l	98
37) Ethyl Acetate	7.076	43	29248	20.832	ug/l	99
38) Carbon Tetrachloride	7.905	117	60491	21.134	ug/l	98
39) Methylcyclohexane	9.185	83	73781	20.572	ug/l	98
40) Benzene	8.167	78	154602	20.756	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	16305m	20.673	ug/l	
42) 1,2-Dichloroethane	8.240	62	48092	21.239	ug/l	99
43) Isopropyl Acetate	8.277	43	56668	20.962	ug/l	99
44) Trichloroethene	8.941	130	42129	20.254	ug/l	96
45) 1,2-Dichloropropane	9.222	63	37891	20.872	ug/l	98
46) Dibromomethane	9.307	93	23412	21.311	ug/l	97
47) Bromodichloromethane	9.496	83	55992	20.934	ug/l	99
48) Methyl methacrylate	9.295	41	26200	20.578	ug/l	99
49) 1,4-Dioxane	9.307	88	5217	473.532	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	141060	105.198	ug/l	100
52) Toluene	10.246	92	97918	20.433	ug/l	98
53) t-1,3-Dichloropropene	10.472	75	60098	20.863	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	67667	21.158	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	31940	21.130	ug/l	97
56) Ethyl methacrylate	10.514	69	44986	20.738	ug/l	97
57) 1,3-Dichloropropane	10.795	76	54953	21.243	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	103352	108.623	ug/l	99
59) 2-Hexanone	10.837	43	94062	108.282	ug/l	99
60) Dibromochloromethane	10.990	129	38668	20.913	ug/l	99
61) 1,2-Dibromoethane	11.093	107	32478	21.404	ug/l	98
64) Tetrachloroethene	10.721	164	35154	20.628	ug/l	98
65) Chlorobenzene	11.520	112	104568	20.567	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	38569	21.174	ug/l	99
67) Ethyl Benzene	11.593	91	195879	20.819	ug/l	98
68) m/p-Xylenes	11.709	106	146781	40.962	ug/l	98
69) o-Xylene	12.032	106	69065	20.551	ug/l	99
70) Styrene	12.044	104	115882	20.298	ug/l	98
71) Bromoform	12.209	173	23002	20.910	ug/l #	98
73) Isopropylbenzene	12.331	105	183986	20.188	ug/l	100
74) N-amyl acetate	12.148	43	48916	20.526	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	36849	21.185	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	24679m	19.105	ug/l	
77) Bromobenzene	12.611	156	40699	20.517	ug/l	99
78) n-propylbenzene	12.672	91	228897	20.640	ug/l	98
79) 2-Chlorotoluene	12.758	91	130029	20.561	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	155104	20.598	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	13716	19.393	ug/l #	97
82) 4-Chlorotoluene	12.855	91	133985	20.405	ug/l	99
83) tert-Butylbenzene	13.081	119	136618	20.578	ug/l	99
84) 1,2,4-Trimethylbenzene	13.124	105	152878	20.634	ug/l	98
85) sec-Butylbenzene	13.258	105	198573	20.525	ug/l	99
86) p-Isopropyltoluene	13.373	119	164137	20.639	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	79653	20.758	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	80288	20.886	ug/l	99
89) n-Butylbenzene	13.697	91	160610	20.917	ug/l	99
90) Hexachloroethane	13.965	117	31915	20.207	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	70884	20.857	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6291	19.316	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	43873	21.220	ug/l	99
94) Hexachlorobutadiene	15.117	225	22162	20.467	ug/l	99
95) Naphthalene	15.239	128	93921	20.341	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	37539	21.043	ug/l	98

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

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