

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010722\
 Data File : VY007057.D
 Acq On : 07 Jan 2022 16:51
 Operator : SY/MD
 Sample : VY0107SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0107SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jan 08 04:10:58 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	149693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	251860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	226774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	99153	56.114	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.220%			
35) Dibromofluoromethane	7.722	113	90588	54.717	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.440%			
50) Toluene-d8	10.185	98	333900	54.282	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.560%			
62) 4-Bromofluorobenzene	12.483	95	120415	51.979	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.960%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	10680	21.098	ug/l	100
3) Chloromethane	2.119	50	21719	20.109	ug/l	98
4) Vinyl Chloride	2.260	62	31685	21.972	ug/l	96
5) Bromomethane	2.656	94	21146	21.862	ug/l	98
6) Chloroethane	2.802	64	19807	22.372	ug/l	99
7) Trichlorofluoromethane	3.131	101	35726	20.346	ug/l	100
8) Diethyl Ether	3.534	74	20838	21.085	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	33720	19.266	ug/l	99
10) Methyl Iodide	4.095	142	52744	19.349	ug/l	100
11) Tert butyl alcohol	4.960	59	18066	113.376	ug/l	99
12) 1,1-Dichloroethene	3.875	96	35616	19.554	ug/l	93
13) Acrolein	3.729	56	6217	126.114	ug/l	95
14) Allyl chloride	4.485	41	54677	19.716	ug/l	98
15) Acrylonitrile	5.168	53	52002	106.749	ug/l	97
16) Acetone	3.954	43	40056	102.894	ug/l	97
17) Carbon Disulfide	4.198	76	100986	18.895	ug/l	98
18) Methyl Acetate	4.479	43	38383	22.981	ug/l	99
19) Methyl tert-butyl Ether	5.229	73	74391	21.961	ug/l	97
20) Methylene Chloride	4.716	84	47557	10.396	ug/l	92
21) trans-1,2-Dichloroethene	5.229	96	38135	19.683	ug/l	96
22) Diisopropyl ether	6.125	45	112401	20.788	ug/l	99
23) Vinyl Acetate	6.064	43	338962	102.183	ug/l	98
24) 1,1-Dichloroethane	6.027	63	66764	20.088	ug/l	96
25) 2-Butanone	6.990	43	64019	114.212	ug/l	98
26) 2,2-Dichloropropane	6.984	77	50847	20.113	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	43654	20.194	ug/l	97
28) Bromochloromethane	7.338	49	21796	17.902	ug/l	96
29) Tetrahydrofuran	7.350	42	46199	110.947	ug/l	98
30) Chloroform	7.515	83	71490	20.581	ug/l	97
31) Cyclohexane	7.789	56	62343	18.863	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	60766	19.676	ug/l	99
36) 1,1-Dichloropropene	7.923	75	55041	19.947	ug/l	99
37) Ethyl Acetate	7.076	43	30630	21.637	ug/l	99
38) Carbon Tetrachloride	7.905	117	57395	19.887	ug/l	98
39) Methylcyclohexane	9.185	83	69347	19.177	ug/l	99
40) Benzene	8.167	78	150524	20.042	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	17464m	21.960	ug/l	
42) 1,2-Dichloroethane	8.240	62	47519	20.814	ug/l	100
43) Isopropyl Acetate	8.277	43	59600	21.865	ug/l	99
44) Trichloroethene	8.941	130	40623	19.369	ug/l	98
45) 1,2-Dichloropropane	9.222	63	37710	20.602	ug/l	99
46) Dibromomethane	9.307	93	23466	21.185	ug/l	97
47) Bromodichloromethane	9.496	83	55868	20.716	ug/l	95
48) Methyl methacrylate	9.295	41	26188	20.400	ug/l	95
49) 1,4-Dioxane	9.307	88	5793	521.493	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	151345	111.941	ug/l	99
52) Toluene	10.246	92	95332	19.730	ug/l	97
53) t-1,3-Dichloropropene	10.472	75	59842	20.603	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	65702	20.375	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	31826	20.882	ug/l	98
56) Ethyl methacrylate	10.514	69	46351	21.191	ug/l	98
57) 1,3-Dichloropropane	10.795	76	55596	21.314	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	107815	112.382	ug/l	97
59) 2-Hexanone	10.837	43	100898	115.197	ug/l	100
60) Dibromochloromethane	10.990	129	38217	20.499	ug/l	98
61) 1,2-Dibromoethane	11.093	107	31959	20.889	ug/l	100
64) Tetrachloroethene	10.721	164	33743	19.611	ug/l	97
65) Chlorobenzene	11.520	112	101182	19.711	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	36568	19.883	ug/l	98
67) Ethyl Benzene	11.593	91	187640	19.753	ug/l	97
68) m/p-Xylenes	11.703	106	140392	38.805	ug/l	97
69) o-Xylene	12.032	106	67067	19.766	ug/l	98
70) Styrene	12.044	104	114793	19.916	ug/l	99
71) Bromoform	12.209	173	22614	20.361	ug/l #	99
73) Isopropylbenzene	12.331	105	177951	19.360	ug/l	100
74) N-amyl acetate	12.148	43	50551	21.032	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	37985	21.653	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	26335m	20.214	ug/l	
77) Bromobenzene	12.611	156	39559	19.772	ug/l	97
78) n-propylbenzene	12.672	91	217361	19.433	ug/l	98
79) 2-Chlorotoluene	12.758	91	125070	19.608	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	146448	19.283	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	14252	19.980	ug/l #	99
82) 4-Chlorotoluene	12.855	91	128051	19.335	ug/l	100
83) tert-Butylbenzene	13.075	119	130034	19.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	145309	19.446	ug/l	100
85) sec-Butylbenzene	13.258	105	187374	19.203	ug/l	100
86) p-Isopropyltoluene	13.373	119	155144	19.342	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	76835	19.853	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	75571	19.491	ug/l	99
89) n-Butylbenzene	13.697	91	151499	19.562	ug/l	99
90) Hexachloroethane	13.965	117	30646	19.239	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	68441	19.967	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6588	20.056	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	41276	19.794	ug/l	99
94) Hexachlorobutadiene	15.111	225	20276	18.566	ug/l	99
95) Naphthalene	15.239	128	92799	19.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	36402	20.232	ug/l	98

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

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