

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021522\
 Data File : VY007501.D
 Acq On : 15 Feb 2022 13:10
 Operator : SY/MD
 Sample : VY0215SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0215SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 16 01:39:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	106338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	177515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	157586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	59254	50.471	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.940%			
35) Dibromofluoromethane	7.728	113	54878	49.022	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.040%			
50) Toluene-d8	10.185	98	192787	45.342	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.680%			
62) 4-Bromofluorobenzene	12.483	95	67546	46.852	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	27671	23.523	ug/l	98
3) Chloromethane	2.119	50	26628	25.019	ug/l	93
4) Vinyl Chloride	2.259	62	28198	23.825	ug/l	97
5) Bromomethane	2.656	94	19658	26.579	ug/l	93
6) Chloroethane	2.802	64	18147	25.911	ug/l	94
7) Trichlorofluoromethane	3.131	101	51560	22.918	ug/l	98
8) Diethyl Ether	3.540	74	15159	23.315	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.905	101	28094	22.712	ug/l	95
10) Methyl Iodide	4.101	142	32887	21.537	ug/l	96
11) Tert butyl alcohol	4.954	59	11833	128.846	ug/l	97
12) 1,1-Dichloroethene	3.887	96	26385	22.851	ug/l	87
13) Acrolein	3.741	56	12617	136.807	ug/l	96
14) Allyl chloride	4.485	41	34843	21.470	ug/l #	91
15) Acrylonitrile	5.167	53	33725	117.822	ug/l	99
16) Acetone	3.954	43	33269	106.808	ug/l	91
17) Carbon Disulfide	4.204	76	75582	22.726	ug/l	98
18) Methyl Acetate	4.485	43	15932	22.566	ug/l #	86
19) Methyl tert-butyl Ether	5.234	73	74993	23.419	ug/l #	90
20) Methylene Chloride	4.728	84	29865	23.393	ug/l #	80
21) trans-1,2-Dichloroethene	5.234	96	28102	22.275	ug/l	84
22) Diisopropyl ether	6.131	45	76391	22.390	ug/l #	92
23) Vinyl Acetate	6.070	43	244882	112.500	ug/l #	89
24) 1,1-Dichloroethane	6.027	63	46962	22.023	ug/l	98
25) 2-Butanone	6.990	43	43386	112.497	ug/l #	85
26) 2,2-Dichloropropane	6.990	77	46736	21.873	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	31755	22.581	ug/l	86
28) Bromochloromethane	7.338	49	18603	22.763	ug/l #	77
29) Tetrahydrofuran	7.356	42	26598	117.524	ug/l #	79
30) Chloroform	7.515	83	51253	22.266	ug/l	100
31) Cyclohexane	7.795	56	42867	20.647	ug/l #	82
32) 1,1,1-Trichloroethane	7.710	97	49484	22.574	ug/l	95
36) 1,1-Dichloropropene	7.923	75	39299	21.668	ug/l	98
37) Ethyl Acetate	7.082	43	18269	22.294	ug/l #	91
38) Carbon Tetrachloride	7.905	117	43728	21.218	ug/l	98
39) Methylcyclohexane	9.191	83	49353	20.959	ug/l #	85
40) Benzene	8.167	78	107186	21.494	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	10949m	20.582	ug/l	
42) 1,2-Dichloroethane	8.246	62	34161	22.417	ug/l	92
43) Isopropyl Acetate	8.277	43	36024	21.644	ug/l #	88
44) Trichloroethene	8.947	130	31098	21.982	ug/l	100
45) 1,2-Dichloropropane	9.222	63	25486	21.494	ug/l	99
46) Dibromomethane	9.313	93	16514	22.428	ug/l	93
47) Bromodichloromethane	9.502	83	40274	22.523	ug/l	99
48) Methyl methacrylate	9.295	41	16065	21.781	ug/l #	85
49) 1,4-Dioxane	9.307	88	3757	473.985	ug/l #	82
51) 4-Methyl-2-Pentanone	10.075	43	92070	111.387	ug/l	89
52) Toluene	10.246	92	69167	21.631	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	41056	21.991	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	45285	21.737	ug/l #	85
55) 1,1,2-Trichloroethane	10.648	97	21537	22.053	ug/l	97
56) Ethyl methacrylate	10.514	69	30270	23.050	ug/l #	79
57) 1,3-Dichloropropane	10.794	76	38376	22.818	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	74210	108.449	ug/l	91
59) 2-Hexanone	10.837	43	64223	107.620	ug/l	87
60) Dibromochloromethane	10.990	129	27610	22.420	ug/l	99
61) 1,2-Dibromoethane	11.093	107	22403	23.008	ug/l	98
64) Tetrachloroethene	10.727	164	26786	21.554	ug/l	95
65) Chlorobenzene	11.520	112	73849	21.396	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	28230	21.656	ug/l	99
67) Ethyl Benzene	11.593	91	135556	20.985	ug/l	99
68) m/p-Xylenes	11.703	106	104109	42.585	ug/l	97
69) o-Xylene	12.032	106	49412	21.361	ug/l	97
70) Styrene	12.050	104	81565	21.445	ug/l	98
71) Bromoform	12.209	173	16578	23.090	ug/l #	96
73) Isopropylbenzene	12.331	105	133150	20.799	ug/l	99
74) N-amyl acetate	12.148	43	31172	21.508	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	24598	22.433	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	17189m	20.587	ug/l	
77) Bromobenzene	12.611	156	29083	21.156	ug/l	96
78) n-propylbenzene	12.672	91	158112	20.525	ug/l	99
79) 2-Chlorotoluene	12.758	91	90204	21.240	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	111955	21.113	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	8816	21.946	ug/l	87
82) 4-Chlorotoluene	12.855	91	90310	20.744	ug/l	99
83) tert-Butylbenzene	13.075	119	98729	21.302	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	109699	21.336	ug/l	98
85) sec-Butylbenzene	13.257	105	143186	20.959	ug/l	100
86) p-Isopropyltoluene	13.373	119	118923	21.133	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	58226	21.755	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	56716	21.357	ug/l	98
89) n-Butylbenzene	13.696	91	111232	20.786	ug/l	99
90) Hexachloroethane	13.959	117	22180	20.627	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	50807	21.554	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4242	22.786	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	30023	21.276	ug/l	97
94) Hexachlorobutadiene	15.111	225	17487	21.365	ug/l	98
95) Naphthalene	15.233	128	66557	21.649	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	26359	21.600	ug/l	98

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

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