

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007517.D
 Acq On : 17 Feb 2022 12:38
 Operator : SY/MD
 Sample : VY0217SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 07:37:08 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	7.789	168	108725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	175114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	153075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	58708	48.908	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.820%			
35) Dibromofluoromethane	7.716	113	58207	52.708	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.420%			
50) Toluene-d8	10.179	98	210362	50.154	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.300%			
62) 4-Bromofluorobenzene	12.483	95	71534	50.298	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28221	23.464	ug/l	99
3) Chloromethane	2.113	50	25392	22.885	ug/l	92
4) Vinyl Chloride	2.253	62	26795	22.142	ug/l	98
5) Bromomethane	2.637	94	18741	24.536	ug/l	96
6) Chloroethane	2.796	64	16625	23.217	ug/l	100
7) Trichlorofluoromethane	3.125	101	53074	23.073	ug/l	97
8) Diethyl Ether	3.528	74	14801	22.264	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.899	101	28411	22.464	ug/l	96
10) Methyl Iodide	4.088	142	29900	19.151	ug/l	94
11) Tert butyl alcohol	4.948	59	12662	134.846	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	26274	22.255	ug/l	82
13) Acrolein	3.729	56	11426	121.173	ug/l	99
14) Allyl chloride	4.479	41	31591	19.039	ug/l #	85
15) Acrylonitrile	5.161	53	31638	108.104	ug/l	98
16) Acetone	3.942	43	30330	95.235	ug/l	93
17) Carbon Disulfide	4.192	76	72290	21.259	ug/l	99
18) Methyl Acetate	4.479	43	14667	20.362	ug/l #	79
19) Methyl tert-butyl Ether	5.216	73	70564	21.552	ug/l	96
20) Methylene Chloride	4.710	84	28908	22.147	ug/l #	77
21) trans-1,2-Dichloroethene	5.216	96	26643	20.655	ug/l #	81
22) Diisopropyl ether	6.119	45	65860	18.879	ug/l #	93
23) Vinyl Acetate	6.058	43	220695	99.162	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	43976	20.170	ug/l	95
25) 2-Butanone	6.984	43	39145	99.272	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	45127	20.656	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	29398	20.446	ug/l	87
28) Bromochloromethane	7.332	49	14633	17.512	ug/l #	61
29) Tetrahydrofuran	7.344	42	24442	105.627	ug/l #	76
30) Chloroform	7.509	83	49808	21.163	ug/l	98
31) Cyclohexane	7.789	56	40640	19.145	ug/l #	84
32) 1,1,1-Trichloroethane	7.698	97	48490	21.635	ug/l	95
36) 1,1-Dichloropropene	7.917	75	37082	20.726	ug/l	98
37) Ethyl Acetate	7.070	43	17521	21.674	ug/l #	93
38) Carbon Tetrachloride	7.899	117	44199	21.741	ug/l	98
39) Methylcyclohexane	9.179	83	48747	20.985	ug/l #	86
40) Benzene	8.161	78	100561	20.442	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	10435m	19.884	ug/l	
42) 1,2-Dichloroethane	8.234	62	32263	21.462	ug/l	94
43) Isopropyl Acetate	8.271	43	33942	20.673	ug/l #	87
44) Trichloroethene	8.941	130	30446	21.817	ug/l	99
45) 1,2-Dichloropropane	9.216	63	23402	20.007	ug/l	98
46) Dibromomethane	9.307	93	16055	22.104	ug/l	95
47) Bromodichloromethane	9.496	83	37652	21.346	ug/l	99
48) Methyl methacrylate	9.289	41	14966	20.569	ug/l #	79
49) 1,4-Dioxane	9.295	88	4147	530.361	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	85085	104.348	ug/l #	86
52) Toluene	10.246	92	65322	20.709	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	39410	21.399	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	43560	21.196	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	21506	22.324	ug/l	96
56) Ethyl methacrylate	10.508	69	28023	21.631	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	35365	21.316	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	70002	103.702	ug/l	90
59) 2-Hexanone	10.831	43	61046	103.699	ug/l	88
60) Dibromochloromethane	10.984	129	26797	22.058	ug/l	95
61) 1,2-Dibromoethane	11.087	107	21550	22.436	ug/l	97
64) Tetrachloroethene	10.715	164	27739	22.978	ug/l	95
65) Chlorobenzene	11.514	112	71727	21.394	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	27933	22.060	ug/l	100
67) Ethyl Benzene	11.593	91	131580	20.969	ug/l	98
68) m/p-Xylenes	11.703	106	100000	42.110	ug/l	98
69) o-Xylene	12.026	106	47003	20.918	ug/l	99
70) Styrene	12.044	104	77243	20.907	ug/l	99
71) Bromoform	12.209	173	16421	23.545	ug/l #	100
73) Isopropylbenzene	12.331	105	129630	20.407	ug/l	99
74) N-amyl acetate	12.142	43	29029	20.186	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	23555	21.649	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	17324m	20.910	ug/l	
77) Bromobenzene	12.605	156	28594	20.962	ug/l	93
78) n-propylbenzene	12.672	91	153488	20.080	ug/l	98
79) 2-Chlorotoluene	12.758	91	84965	20.162	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	108948	20.706	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8550	21.449	ug/l	86
82) 4-Chlorotoluene	12.855	91	88065	20.385	ug/l	98
83) tert-Butylbenzene	13.075	119	95478	20.761	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	106880	20.949	ug/l	99
85) sec-Butylbenzene	13.251	105	139795	20.621	ug/l	100
86) p-Isopropyltoluene	13.367	119	117693	21.077	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	56978	21.455	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	56522	21.449	ug/l	98
89) n-Butylbenzene	13.696	91	108793	20.488	ug/l	99
90) Hexachloroethane	13.959	117	22519	21.105	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	49356	21.102	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4170	22.574	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	30684	21.914	ug/l	97
94) Hexachlorobutadiene	15.111	225	18479	22.753	ug/l	99
95) Naphthalene	15.233	128	68567	22.476	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	26929	22.239	ug/l	96

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

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