

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091621\
 Data File : VY006040.D
 Acq On : 16 Sep 2021 12:14
 Operator : SY/MD
 Sample : VY0916SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2021 2:30:46 PM

Quant Time: Sep 17 02:43:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	138372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	211284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	196919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	95551	49.713	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.420%
35) Dibromofluoromethane	7.722	113	66742	50.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.720%
50) Toluene-d8	10.179	98	286434	51.211	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.420%
62) 4-Bromofluorobenzene	12.483	95	96277	50.699	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29468	20.160	ug/l	98
3) Chloromethane	2.119	50	34717	19.100	ug/l	94
4) Vinyl Chloride	2.259	62	41231	20.090	ug/l	100
5) Bromomethane	2.643	94	29132	21.879	ug/l	96
6) Chloroethane	2.796	64	24567	19.961	ug/l	100
7) Trichlorofluoromethane	3.131	101	53404	19.961	ug/l	97
8) Diethyl Ether	3.533	74	17781	20.217	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	26506	19.844	ug/l	99
10) Methyl Iodide	4.094	142	23854	16.869	ug/l	97
11) Tert butyl alcohol	4.942	59	44362	128.528	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	27719	20.063	ug/l	93
13) Acrolein	3.735	56	10237	88.638	ug/l	100
14) Allyl chloride	4.485	41	55569	18.842	ug/l	99
15) Acrylonitrile	5.173	53	49160	98.128	ug/l	98
16) Acetone	3.954	43	50632	96.043	ug/l	97
17) Carbon Disulfide	4.204	76	90635	19.643	ug/l	100
18) Methyl Acetate	4.485	43	24129	18.170	ug/l	96
19) Methyl tert-butyl Ether	5.234	73	85302	19.151	ug/l	100
20) Methylene Chloride	4.728	84	47516	26.725	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	29962	19.340	ug/l	95
22) Diisopropyl ether	6.124	45	110629	19.304	ug/l	97
23) Vinyl Acetate	6.070	43	344651	95.310	ug/l	99
24) 1,1-Dichloroethane	6.027	63	56419	19.215	ug/l	97
25) 2-Butanone	6.990	43	69093	95.090	ug/l	96
26) 2,2-Dichloropropane	6.990	77	54953	19.757	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	33516	19.391	ug/l	96
28) Bromochloromethane	7.338	49	24398	18.916	ug/l	99
29) Tetrahydrofuran	7.356	42	43281	94.775	ug/l	99
30) Chloroform	7.514	83	57012	19.366	ug/l	98
31) Cyclohexane	7.789	56	60326	19.593	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	54765	19.813	ug/l	99
36) 1,1-Dichloropropene	7.923	75	44636	19.573	ug/l	99
37) Ethyl Acetate	7.082	43	29355	18.634	ug/l	98
38) Carbon Tetrachloride	7.905	117	50145	20.198	ug/l	98
39) Methylcyclohexane	9.185	83	55694	19.704	ug/l	98
40) Benzene	8.167	78	128343	19.626	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	15121m	16.434	ug/l	
42) 1,2-Dichloroethane	8.240	62	45986	19.885	ug/l	99
43) Isopropyl Acetate	8.277	43	56099	19.118	ug/l	99
44) Trichloroethene	8.941	130	32565	19.983	ug/l	99
45) 1,2-Dichloropropane	9.221	63	31844	19.684	ug/l	99
46) Dibromomethane	9.307	93	17139	19.573	ug/l	99
47) Bromodichloromethane	9.502	83	44461	19.727	ug/l	97
48) Methyl methacrylate	9.295	41	26101	19.250	ug/l	98
49) 1,4-Dioxane	9.301	88	4359	360.718	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	146892	93.899	ug/l	100
52) Toluene	10.246	92	79882	19.823	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	48320	19.517	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	52418	19.631	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	23853	19.824	ug/l	97
56) Ethyl methacrylate	10.514	69	36320	18.882	ug/l	98
57) 1,3-Dichloropropane	10.794	76	42777	19.288	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.788	63	102680	101.967	ug/l	100
59) 2-Hexanone	10.837	43	102640	95.039	ug/l	99
60) Dibromochloromethane	10.989	129	29228	19.702	ug/l	99
61) 1,2-Dibromoethane	11.093	107	22691	19.965	ug/l	98
64) Tetrachloroethene	10.721	164	32752	20.335	ug/l	98
65) Chlorobenzene	11.514	112	81657	19.380	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	31301	19.931	ug/l	97
67) Ethyl Benzene	11.593	91	155020	19.355	ug/l	99
68) m/p-Xylenes	11.703	106	118460	39.006	ug/l	98
69) o-Xylene	12.032	106	56078	19.550	ug/l	97
70) Styrene	12.044	104	96532	19.645	ug/l	99
71) Bromoform	12.209	173	19315	19.642	ug/l #	99
73) Isopropylbenzene	12.331	105	149219	19.070	ug/l	100
74) N-amyl acetate	12.142	43	49351	18.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	27532	18.912	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	18827m	17.672	ug/l	
77) Bromobenzene	12.611	156	35328	19.350	ug/l	98
78) n-propylbenzene	12.672	91	185572	19.168	ug/l	100
79) 2-Chlorotoluene	12.757	91	102030	19.384	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	127150	19.594	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	11088	19.135	ug/l	99
82) 4-Chlorotoluene	12.855	91	109145	20.060	ug/l	98
83) tert-Butylbenzene	13.074	119	109669	19.759	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	126152	19.594	ug/l	100
85) sec-Butylbenzene	13.251	105	164072	19.747	ug/l	100
86) p-Isopropyltoluene	13.367	119	138478	19.523	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	69097	19.624	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	69190	19.591	ug/l	99
89) n-Butylbenzene	13.696	91	128591	19.386	ug/l	99
90) Hexachloroethane	13.958	117	25602	20.057	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	60678	19.631	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5423	18.776	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	38801	19.330	ug/l	100
94) Hexachlorobutadiene	15.111	225	25320	19.496	ug/l	98
95) Naphthalene	15.233	128	73525	18.417	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	33324	19.158	ug/l	100

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

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