

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031821\
 Data File : VY004114.D
 Acq On : 18 Mar 2021 11:48
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2021 3:32:09 PM

Quant Time: Mar 19 01:41:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	210248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	330381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	295954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151764	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	100619	48.49	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.98%
35) Dibromofluoromethane	7.728	113	95823	51.43	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.86%
50) Toluene-d8	10.185	98	362985	49.70	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.40%
62) 4-Bromofluorobenzene	12.483	95	131788	48.85	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.70%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	35447	21.51	ug/l	99
3) Chloromethane	2.119	50	45081	19.92	ug/l	98
4) Vinyl Chloride	2.260	62	52540	20.68	ug/l	100
5) Bromomethane	2.650	94	36826	22.69	ug/l	96
6) Chloroethane	2.802	64	32857	21.23	ug/l	98
7) Trichlorofluoromethane	3.131	101	71039	21.04	ug/l	98
8) Diethyl Ether	3.540	74	21778	20.12	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.912	101	39310	20.81	ug/l	98
10) Methyl Iodide	4.101	142	39565	20.50	ug/l	98
11) Tert butyl alcohol	4.960	59	17535	93.47	ug/l #	89
12) 1,1-Dichloroethene	3.881	96	37249	20.15	ug/l	95
13) Acrolein	3.741	56	13709	73.67	ug/l	97
14) Allyl chloride	4.491	41	56818	18.58	ug/l #	90
15) Acrylonitrile	5.174	53	49572	92.15	ug/l	98
16) Acetone	3.960	43	42587	85.04	ug/l	94
17) Carbon Disulfide	4.204	76	107227	19.73	ug/l	97
18) Methyl Acetate	4.485	43	21802	17.62	ug/l	93
19) Methyl tert-butyl Ether	5.229	73	102096	19.40	ug/l	99
20) Methylene Chloride	4.729	84	46887	20.29	ug/l	92
21) trans-1,2-Dichloroethene	5.235	96	42510	20.47	ug/l	88
22) Diisopropyl ether	6.125	45	118350	18.34	ug/l	92
23) Vinyl Acetate	6.070	43	385900	90.83	ug/l #	95
24) 1,1-Dichloroethane	6.033	63	70767	19.75	ug/l	98
25) 2-Butanone	6.996	43	63411	87.83	ug/l	91
26) 2,2-Dichloropropane	6.990	77	66227	19.35	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	47686	20.17	ug/l	91
28) Bromochloromethane	7.344	49	31008	19.82	ug/l	86
29) Tetrahydrofuran	7.356	42	41570	88.64	ug/l	90
30) Chloroform	7.515	83	74823	20.15	ug/l	96
31) Cyclohexane	7.789	56	68183	18.73	ug/l #	87
32) 1,1,1-Trichloroethane	7.710	97	70113	20.35	ug/l	98
36) 1,1-Dichloropropene	7.923	75	57970	19.97	ug/l	98
37) Ethyl Acetate	7.082	43	28913	18.49	ug/l	98
38) Carbon Tetrachloride	7.911	117	63438	20.60	ug/l	98
39) Methylcyclohexane	9.191	83	74441	19.85	ug/l	90
40) Benzene	8.167	78	166003	20.30	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	19029m	19.64	ug/l	
42) 1,2-Dichloroethane	8.246	62	50509	20.21	ug/l	95
43) Isopropyl Acetate	8.277	43	56403	17.98	ug/l	95
44) Trichloroethene	8.947	130	51987	21.96	ug/l	98
45) 1,2-Dichloropropane	9.222	63	40114	19.65	ug/l	97
46) Dibromomethane	9.313	93	23965	20.53	ug/l	97
47) Bromodichloromethane	9.502	83	57701	19.80	ug/l	99
48) Methyl methacrylate	9.295	41	26154	17.55	ug/l	88
49) 1,4-Dioxane	9.301	88	5484	369.11	ug/l	88
51) 4-Methyl-2-Pentanone	10.075	43	143937	90.59	ug/l	97
52) Toluene	10.252	92	108082	20.41	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	60094	19.55	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	67973	19.74	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	33537	20.43	ug/l	97
56) Ethyl methacrylate	10.514	69	43044	18.76	ug/l	94
57) 1,3-Dichloropropane	10.795	76	56508	20.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	104362	105.63	ug/l	93
59) 2-Hexanone	10.837	43	98241	88.01	ug/l	96
60) Dibromochloromethane	10.990	129	43511	21.12	ug/l	99
61) 1,2-Dibromoethane	11.093	107	32926	20.60	ug/l	99
64) Tetrachloroethene	10.721	164	57745	23.31	ug/l	95
65) Chlorobenzene	11.520	112	118350	20.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	44626	21.03	ug/l	99
67) Ethyl Benzene	11.599	91	209719	20.14	ug/l	97
68) m/p-Xylenes	11.703	106	163057	41.06	ug/l	94
69) o-Xylene	12.032	106	76497	20.38	ug/l	94
70) Styrene	12.050	104	127869	19.89	ug/l	98
71) Bromoform	12.215	173	25853	20.37	ug/l #	98
73) Isopropylbenzene	12.331	105	211763	20.08	ug/l	99
74) N-amyl acetate	12.148	43	51778	17.14	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	32310	17.63	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	26754m	18.39	ug/l	
77) Bromobenzene	12.611	156	50772	20.84	ug/l	96
78) n-propylbenzene	12.672	91	245353	19.74	ug/l	98
79) 2-Chlorotoluene	12.758	91	136080	19.51	ug/l	96
80) 1,3,5-Trimethylbenzene	12.819	105	174818	19.54	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	13200	17.90	ug/l	98
82) 4-Chlorotoluene	12.855	91	143304	19.41	ug/l	96
83) tert-Butylbenzene	13.081	119	154751	20.10	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	178015	19.87	ug/l	97
85) sec-Butylbenzene	13.258	105	213406	20.11	ug/l	98
86) p-Isopropyltoluene	13.373	119	195964	19.92	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	96990	20.62	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	97324	20.73	ug/l	98
89) n-Butylbenzene	13.697	91	183337	19.58	ug/l	98
90) Hexachloroethane	13.965	117	34144	19.31	ug/l	85
91) 1,2-Dichlorobenzene	13.745	146	86997	20.85	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6561	18.95	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	59326	20.97	ug/l	99
94) Hexachlorobutadiene	15.117	225	32788	20.67	ug/l	99
95) Naphthalene	15.239	128	116400	20.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	50360	21.17	ug/l	99

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

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