

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032521\
 Data File : VY004196.D
 Acq On : 25 Mar 2021 11:52
 Operator : SY/MD
 Sample : VY0325SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2021 6:17:43 PM

Quant Time: Mar 26 01:11:48 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	7.795	168	200088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	316062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	281136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143340	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	95679	48.46	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.92%
35) Dibromofluoromethane	7.722	113	89050	49.96	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.92%
50) Toluene-d8	10.185	98	331606	47.46	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.92%
62) 4-Bromofluorobenzene	12.483	95	122893	47.62	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.24%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36963	24.12	ug/l	94
3) Chloromethane	2.119	50	44485	20.81	ug/l	99
4) Vinyl Chloride	2.260	62	49854	20.62	ug/l	97
5) Bromomethane	2.650	94	35526	23.00	ug/l	93
6) Chloroethane	2.796	64	31326	21.27	ug/l	98
7) Trichlorofluoromethane	3.131	101	68734	21.39	ug/l	97
8) Diethyl Ether	3.540	74	21253	20.63	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.899	101	37626	20.93	ug/l	99
10) Methyl Iodide	4.101	142	37361	20.34	ug/l	98
11) Tert butyl alcohol	4.972	59	21257	119.07	ug/l	98
12) 1,1-Dichloroethene	3.881	96	36280	20.62	ug/l	98
13) Acrolein	3.735	56	11652	65.80	ug/l	98
14) Allyl chloride	4.491	41	53886	18.52	ug/l #	88
15) Acrylonitrile	5.174	53	48951	95.61	ug/l	99
16) Acetone	3.954	43	43148	90.53	ug/l	91
17) Carbon Disulfide	4.198	76	98756	19.09	ug/l	99
18) Methyl Acetate	4.485	43	21795	18.51	ug/l	92
19) Methyl tert-butyl Ether	5.229	73	103029	20.57	ug/l	99
20) Methylene Chloride	4.729	84	44628	20.30	ug/l	90
21) trans-1,2-Dichloroethene	5.229	96	40541	20.51	ug/l	96
22) Diisopropyl ether	6.125	45	119731	19.50	ug/l	92
23) Vinyl Acetate	6.070	43	387495	95.84	ug/l	97
24) 1,1-Dichloroethane	6.033	63	68638	20.13	ug/l	98
25) 2-Butanone	6.996	43	64474	93.84	ug/l	94
26) 2,2-Dichloropropane	6.990	77	64605	19.84	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	46619	20.72	ug/l	92
28) Bromochloromethane	7.338	49	31417	21.10	ug/l	88
29) Tetrahydrofuran	7.356	42	42292	94.75	ug/l	93
30) Chloroform	7.515	83	73764	20.88	ug/l	98
31) Cyclohexane	7.789	56	65947	19.04	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	68312	20.84	ug/l	99
36) 1,1-Dichloropropene	7.923	75	56593	20.38	ug/l	98
37) Ethyl Acetate	7.082	43	29404	19.66	ug/l	98
38) Carbon Tetrachloride	7.905	117	61220	20.78	ug/l	96
39) Methylcyclohexane	9.185	83	71571	19.95	ug/l	91
40) Benzene	8.167	78	161005	20.58	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	19400m	20.93	ug/l	
42) 1,2-Dichloroethane	8.240	62	49733	20.80	ug/l	96
43) Isopropyl Acetate	8.283	43	57983	19.32	ug/l	97
44) Trichloroethene	8.947	130	48279	21.31	ug/l	99
45) 1,2-Dichloropropane	9.222	63	40016	20.49	ug/l	100
46) Dibromomethane	9.307	93	23459	21.01	ug/l	97
47) Bromodichloromethane	9.502	83	57522	20.64	ug/l	97
48) Methyl methacrylate	9.295	41	25764	18.07	ug/l #	87
49) 1,4-Dioxane	9.301	88	5461	384.22	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	144678	95.18	ug/l	97
52) Toluene	10.246	92	104221	20.57	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	57605	19.59	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	66930	20.31	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	33018	21.03	ug/l	98
56) Ethyl methacrylate	10.514	69	42150	19.20	ug/l	92
57) 1,3-Dichloropropane	10.795	76	56143	20.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	106550	114.06	ug/l	93
59) 2-Hexanone	10.837	43	100254	93.88	ug/l	98
60) Dibromochloromethane	10.990	129	41520	21.06	ug/l	100
61) 1,2-Dibromoethane	11.093	107	31645	20.70	ug/l	98
64) Tetrachloroethene	10.721	164	55249	23.48	ug/l	97
65) Chlorobenzene	11.520	112	115605	21.46	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	42138	20.91	ug/l	98
67) Ethyl Benzene	11.593	91	205110	20.73	ug/l	99
68) m/p-Xylenes	11.703	106	158958	42.14	ug/l	93
69) o-Xylene	12.032	106	75489	21.17	ug/l	92
70) Styrene	12.044	104	125786	20.60	ug/l	98
71) Bromoform	12.209	173	25152	20.86	ug/l #	98
73) Isopropylbenzene	12.331	105	204682	20.55	ug/l	99
74) N-amyl acetate	12.148	43	51857	18.17	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	33110	19.13	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	25390m	18.47	ug/l	
77) Bromobenzene	12.611	156	49551	21.53	ug/l	95
78) n-propylbenzene	12.672	91	241230	20.55	ug/l	98
79) 2-Chlorotoluene	12.758	91	133219	20.22	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	174348	20.63	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	12955	18.60	ug/l	98
82) 4-Chlorotoluene	12.855	91	140300	20.12	ug/l	97
83) tert-Butylbenzene	13.075	119	152777	21.01	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	175956	20.79	ug/l	98
85) sec-Butylbenzene	13.251	105	207673	20.72	ug/l	98
86) p-Isopropyltoluene	13.373	119	195413	21.03	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	95387	21.47	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	94826	21.38	ug/l	97
89) n-Butylbenzene	13.696	91	181732	20.55	ug/l	99
90) Hexachloroethane	13.965	117	33948	20.33	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	86088	21.85	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6479	19.81	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	59164	22.14	ug/l	96
94) Hexachlorobutadiene	15.111	225	32397	21.62	ug/l	99
95) Naphthalene	15.239	128	111830	21.12	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	50073	22.28	ug/l	98

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

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