

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032221\
 Data File : VY004154.D
 Acq On : 22 Mar 2021 11:21
 Operator : SY/MD
 Sample : VY0322SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0322SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/23/2021 4:08:53 PM

Quant Time: Mar 23 01:07:29 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	197401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	305448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	278578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143660	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94297	48.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.82%		
35) Dibromofluoromethane	7.728	113	87775	50.96	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.92%		
50) Toluene-d8	10.185	98	330867	49.00	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.00%		
62) 4-Bromofluorobenzene	12.483	95	121270	48.62	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.24%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	34086	22.17	ug/l	96
3) Chloromethane	2.119	50	44192	20.99	ug/l	97
4) Vinyl Chloride	2.259	62	48811	20.46	ug/l	97
5) Bromomethane	2.656	94	33813	22.18	ug/l	95
6) Chloroethane	2.802	64	30602	21.06	ug/l	97
7) Trichlorofluoromethane	3.131	101	66154	20.86	ug/l	96
8) Diethyl Ether	3.540	74	20042	19.72	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.912	101	36878	20.79	ug/l	98
10) Methyl Iodide	4.107	142	35469	19.57	ug/l	99
11) Tert butyl alcohol	4.972	59	16378	92.99	ug/l	97
12) 1,1-Dichloroethene	3.887	96	35296	20.34	ug/l	90
13) Acrolein	3.741	56	11695	66.94	ug/l	99
14) Allyl chloride	4.491	41	52690	18.35	ug/l #	89
15) Acrylonitrile	5.180	53	47345	93.73	ug/l	99
16) Acetone	3.960	43	40937	87.06	ug/l	97
17) Carbon Disulfide	4.204	76	98937	19.39	ug/l	100
18) Methyl Acetate	4.491	43	20836	17.94	ug/l #	90
19) Methyl tert-butyl Ether	5.235	73	99136	20.06	ug/l	100
20) Methylene Chloride	4.735	84	42309	19.29	ug/l	92
21) trans-1,2-Dichloroethene	5.235	96	39338	20.17	ug/l	95
22) Diisopropyl ether	6.125	45	114833	18.95	ug/l	92
23) Vinyl Acetate	6.070	43	372687	93.43	ug/l	96
24) 1,1-Dichloroethane	6.033	63	66040	19.63	ug/l	96
25) 2-Butanone	6.996	43	60704	89.56	ug/l #	90
26) 2,2-Dichloropropane	6.990	77	63053	19.62	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	44852	20.20	ug/l	93
28) Bromochloromethane	7.344	49	29530	20.10	ug/l	86
29) Tetrahydrofuran	7.356	42	41197	93.56	ug/l	94
30) Chloroform	7.515	83	70667	20.27	ug/l	98
31) Cyclohexane	7.795	56	64993	19.02	ug/l #	84
32) 1,1,1-Trichloroethane	7.710	97	65954	20.39	ug/l	99
36) 1,1-Dichloropropene	7.923	75	54565	20.33	ug/l	97
37) Ethyl Acetate	7.082	43	28187	19.50	ug/l	97
38) Carbon Tetrachloride	7.911	117	60071	21.10	ug/l	98
39) Methylcyclohexane	9.191	83	69802	20.14	ug/l	91
40) Benzene	8.167	78	154959	20.50	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	18073m	20.18	ug/l	
42) 1,2-Dichloroethane	8.246	62	47939	20.75	ug/l	97
43) Isopropyl Acetate	8.283	43	54952	18.94	ug/l	97
44) Trichloroethene	8.947	130	48056	21.95	ug/l	93
45) 1,2-Dichloropropane	9.222	63	38000	20.13	ug/l	98
46) Dibromomethane	9.313	93	22684	21.02	ug/l	97
47) Bromodichloromethane	9.502	83	55183	20.49	ug/l #	99
48) Methyl methacrylate	9.301	41	24867	18.04	ug/l	88
49) 1,4-Dioxane	9.313	88	5314	386.87	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	137664	93.72	ug/l	96
52) Toluene	10.246	92	101747	20.78	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	56900	20.02	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	64090	20.13	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	32451	21.39	ug/l	96
56) Ethyl methacrylate	10.514	69	41083	19.37	ug/l	92
57) 1,3-Dichloropropane	10.795	76	53718	20.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	101285	111.87	ug/l	93
59) 2-Hexanone	10.837	43	95362	92.40	ug/l	98
60) Dibromochloromethane	10.990	129	40079	21.04	ug/l	100
61) 1,2-Dibromoethane	11.093	107	31256	21.15	ug/l	98
64) Tetrachloroethene	10.721	164	53777	23.06	ug/l	95
65) Chlorobenzene	11.520	112	111800	20.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	41877	20.97	ug/l	99
67) Ethyl Benzene	11.593	91	196943	20.09	ug/l	96
68) m/p-Xylenes	11.703	106	153721	41.12	ug/l	95
69) o-Xylene	12.032	106	72794	20.60	ug/l	93
70) Styrene	12.050	104	121370	20.06	ug/l	97
71) Bromoform	12.215	173	24448	20.46	ug/l #	100
73) Isopropylbenzene	12.331	105	199503	19.98	ug/l	99
74) N-amyl acetate	12.148	43	50072	17.51	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	31848	18.36	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	26244m	19.05	ug/l	
77) Bromobenzene	12.611	156	47473	20.58	ug/l	96
78) n-propylbenzene	12.672	91	230527	19.60	ug/l	97
79) 2-Chlorotoluene	12.758	91	128037	19.39	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	166284	19.64	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	13058	18.71	ug/l	96
82) 4-Chlorotoluene	12.855	91	136150	19.48	ug/l	96
83) tert-Butylbenzene	13.081	119	145643	19.99	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	167992	19.81	ug/l	96
85) sec-Butylbenzene	13.257	105	201718	20.08	ug/l	99
86) p-Isopropyltoluene	13.373	119	188125	20.20	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	93335	20.96	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	91328	20.55	ug/l	96
89) n-Butylbenzene	13.703	91	176903	19.96	ug/l	98
90) Hexachloroethane	13.965	117	32587	19.47	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	81185	20.56	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5961	18.19	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	56967	21.27	ug/l	97
94) Hexachlorobutadiene	15.117	225	31597	21.04	ug/l	100
95) Naphthalene	15.239	128	107316	20.22	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	48205	21.40	ug/l	99

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

