

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040521\
 Data File : VY004278.D
 Acq On : 05 Apr 2021 12:40
 Operator : SY/MD
 Sample : VY0405SBS01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0405SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 1:55:03 PM

Quant Time: Apr 05 15:19:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	204999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	327905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	292766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139339	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	100915	51.21	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.42%			
35) Dibromofluoromethane	7.728	113	87364	47.82	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.64%			
50) Toluene-d8	10.185	98	330851	48.15	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.30%			
62) 4-Bromofluorobenzene	12.483	95	116645	49.53	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.06%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	30781	17.34	ug/l	99
3) Chloromethane	2.119	50	46398	19.36	ug/l	100
4) Vinyl Chloride	2.259	62	65472	24.51	ug/l	95
5) Bromomethane	2.650	94	24674	16.79	ug/l	93
6) Chloroethane	2.802	64	30708	17.74	ug/l	100
7) Trichlorofluoromethane	3.131	101	65467	18.86	ug/l	99
8) Diethyl Ether	3.540	74	23071	20.71	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	38083	20.15	ug/l	97
10) Methyl Iodide	4.101	142	40173	18.40	ug/l	100
11) Tert butyl alcohol	4.978	59	21456	133.80	ug/l	98
12) 1,1-Dichloroethene	3.881	96	36685	19.78	ug/l	95
13) Acrolein	3.741	56	18888	135.56	ug/l	96
14) Allyl chloride	4.491	41	67317	22.79	ug/l	94
15) Acrylonitrile	5.180	53	63431	119.65	ug/l	98
16) Acetone	3.960	43	46320	112.82	ug/l	98
17) Carbon Disulfide	4.204	76	94171	19.31	ug/l	100
18) Methyl Acetate	4.491	43	30414	23.14	ug/l	97
19) Methyl tert-butyl Ether	5.234	73	117215	21.40	ug/l	96
20) Methylene Chloride	4.728	84	43895	20.32	ug/l	96
21) trans-1,2-Dichloroethene	5.234	96	40836	19.62	ug/l	97
22) Diisopropyl ether	6.131	45	149919	23.10	ug/l	97
23) Vinyl Acetate	6.076	43	504688	115.63	ug/l	98
24) 1,1-Dichloroethane	6.033	63	76327	21.59	ug/l	98
25) 2-Butanone	7.002	43	82044	119.62	ug/l	96
26) 2,2-Dichloropropane	6.996	77	69403	20.98	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	46903	19.90	ug/l	95
28) Bromochloromethane	7.344	49	38513	26.80	ug/l	92
29) Tetrahydrofuran	7.362	42	59974	124.11	ug/l	94
30) Chloroform	7.515	83	75770	20.14	ug/l	97
31) Cyclohexane	7.789	56	72779	20.90	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	68805	19.99	ug/l	98
36) 1,1-Dichloropropene	7.923	75	58568	19.57	ug/l	99
37) Ethyl Acetate	7.088	43	41092	23.40	ug/l	98
38) Carbon Tetrachloride	7.911	117	52465	20.16	ug/l	97
39) Methylcyclohexane	9.191	83	71878	19.39	ug/l	99
40) Benzene	8.167	78	169144	19.93	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	17151	17.63	ug/l #	53
42) 1,2-Dichloroethane	8.246	62	54259	20.35	ug/l	100
43) Isopropyl Acetate	8.277	43	77646	23.35	ug/l	97
44) Trichloroethene	8.947	130	47819	17.70	ug/l	98
45) 1,2-Dichloropropane	9.222	63	44511	21.23	ug/l	97
46) Dibromomethane	9.313	93	24422	19.81	ug/l	97
47) Bromodichloromethane	9.502	83	59037	20.07	ug/l	98
48) Methyl methacrylate	9.295	41	34882	23.10	ug/l	96
49) 1,4-Dioxane	9.301	88	6890	427.01	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	196994	116.29	ug/l	98
52) Toluene	10.246	92	108345	19.86	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	65291	20.82	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	74894	21.37	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	33925	20.08	ug/l	98
56) Ethyl methacrylate	10.514	69	49233	21.24	ug/l	94
57) 1,3-Dichloropropane	10.794	76	61396	21.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	133601	134.74	ug/l	96
59) 2-Hexanone	10.837	43	135839	116.64	ug/l	97
60) Dibromochloromethane	10.990	129	40236	19.87	ug/l	100
61) 1,2-Dibromoethane	11.093	107	32855	19.71	ug/l	99
64) Tetrachloroethene	10.721	164	48079	16.69	ug/l	94
65) Chlorobenzene	11.520	112	111972	19.18	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	41046	19.62	ug/l	99
67) Ethyl Benzene	11.593	91	209409	19.75	ug/l	98
68) m/p-Xylenes	11.703	106	156367	38.41	ug/l	98
69) o-Xylene	12.032	106	72021	18.91	ug/l	96
70) Styrene	12.050	104	121271	19.14	ug/l	100
71) Bromoform	12.209	173	24222	20.34	ug/l #	99
73) Isopropylbenzene	12.331	105	202400	19.88	ug/l	99
74) N-amyl acetate	12.148	43	68257	22.94	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	39352	20.88	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	29784m	23.54	ug/l	
77) Bromobenzene	12.611	156	45635	19.15	ug/l	93
78) n-propylbenzene	12.672	91	236568	20.09	ug/l	98
79) 2-Chlorotoluene	12.757	91	128800	19.91	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	165079	19.88	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15058	21.93	ug/l	99
82) 4-Chlorotoluene	12.855	91	136220	20.00	ug/l	97
83) tert-Butylbenzene	13.075	119	144223	20.10	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	163938	19.68	ug/l	99
85) sec-Butylbenzene	13.257	105	199380	20.18	ug/l	98
86) p-Isopropyltoluene	13.373	119	180999	19.70	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	85584	19.25	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	85948	19.57	ug/l	97
89) n-Butylbenzene	13.696	91	172410	20.40	ug/l	99
90) Hexachloroethane	13.965	117	22606	30.96	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	76761	19.23	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6985	19.87	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	53892	19.00	ug/l	99
94) Hexachlorobutadiene	15.117	225	28016	18.57	ug/l	100
95) Naphthalene	15.239	128	120772	20.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	47938	18.50	ug/l	98

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

