

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081721\
 Data File : VY005713.D
 Acq On : 17 Aug 2021 15:58
 Operator : SY/MD
 Sample : M3390-05MS
 Misc : 5.81G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SWCS-03-1015MS

Manual Integrations
 APPROVED

MMDadoda
 8/18/2021 6:59:45 PM

Quant Time: Aug 18 01:52:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	7946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	11543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	18769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	24130	300.000	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 600.000%#			
35) Dibromofluoromethane	7.722	113	7506	116.144	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 232.280%#			
50) Toluene-d8	10.179	98	15952	58.855	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.700%			
62) 4-Bromofluorobenzene	12.483	95	11250	125.342	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 250.680%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	2222	34.047	ug/l	92
3) Chloromethane	2.119	50	3772	48.385	ug/l	97
4) Vinyl Chloride	2.260	62	3833	41.049	ug/l	95
5) Bromomethane	2.656	94	4361	70.954	ug/l	88
6) Chloroethane	2.802	64	2794	49.571	ug/l	96
7) Trichlorofluoromethane	3.137	101	4821	38.561	ug/l	95
8) Diethyl Ether	3.534	74	14172	324.557	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.912	101	3017	44.489	ug/l	94
10) Methyl Iodide	4.101	142	5804	68.698	ug/l	99
11) Tert butyl alcohol	4.972	59	57402	7219.113	ug/l	98
12) 1,1-Dichloroethene	3.875	96	2984	43.576	ug/l	87
13) Acrolein	3.741	56	17682	3685.741	ug/l	99
14) Allyl chloride	4.479	41	7091m	59.122	ug/l	
15) Acrylonitrile	5.174	53	141670	6330.675	ug/l	99
16) Acetone	3.960	43	158962	7838.674	ug/l	98
17) Carbon Disulfide	4.198	76	9142	43.308	ug/l	100
18) Methyl Acetate	4.485	43	65555	1236.009	ug/l	98
19) Methyl tert-butyl Ether	5.229	73	89606	422.389	ug/l	98
20) Methylene Chloride	4.722	84	11722	159.061	ug/l	91
21) trans-1,2-Dichloroethene	5.229	96	3753	49.020	ug/l	92
22) Diisopropyl ether	6.131	45	37233	150.475	ug/l #	69
23) Vinyl Acetate	6.070	43	478800	2907.666	ug/l	99
24) 1,1-Dichloroethane	6.027	63	9400	68.550	ug/l	98
25) 2-Butanone	6.990	43	209142	6976.826	ug/l	99
26) 2,2-Dichloropropane	6.990	77	5682	45.353	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	7169	82.331	ug/l	98
28) Bromochloromethane	7.344	49	13668	249.733	ug/l	87
29) Tetrahydrofuran	7.356	42	131753	6645.106	ug/l	98
30) Chloroform	7.515	83	11746	83.924	ug/l	99
31) Cyclohexane	7.789	56	5346	38.749	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	5924	46.044	ug/l	97
36) 1,1-Dichloropropene	7.923	75	4825	44.567	ug/l	98
37) Ethyl Acetate	7.082	43	75054	1144.316	ug/l	98
38) Carbon Tetrachloride	7.905	117	4662	39.620	ug/l	90
39) Methylcyclohexane	9.185	83	5294	38.435	ug/l	99
40) Benzene	8.167	78	20357	65.661	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	36924m	1037.564	ug/l	
42) 1,2-Dichloroethane	8.240	62	32925	327.400	ug/l	99
43) Isopropyl Acetate	8.277	43	108632	874.828	ug/l #	92
44) Trichloroethene	8.947	130	4827	57.045	ug/l	95
45) 1,2-Dichloropropane	9.216	63	8360	107.784	ug/l	94
46) Dibromomethane	9.307	93	16489	384.476	ug/l	97
47) Bromodichloromethane	9.496	83	15313	142.667	ug/l	91
48) Methyl methacrylate	9.295	41	42128	750.692	ug/l	96
49) 1,4-Dioxane	9.301	88	16427	27560.466	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	332665	5087.052	ug/l	99
52) Toluene	10.246	92	11292	57.121	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	31717	264.412	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	20853	160.187	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	23683	381.659	ug/l	96
56) Ethyl methacrylate	10.514	69	48987	527.216	ug/l	95
57) 1,3-Dichloropropane	10.795	76	39309	359.231	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	128184	2887.205	ug/l	99
59) 2-Hexanone	10.837	43	256631	5552.324	ug/l	100
60) Dibromochloromethane	10.984	129	22241	289.619	ug/l	97
61) 1,2-Dibromoethane	11.093	107	27600	469.546	ug/l	100
64) Tetrachloroethene	10.721	164	5569	38.981	ug/l	97
65) Chlorobenzene	11.520	112	17812	47.160	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.593	131	8868	62.383	ug/l	99
67) Ethyl Benzene	11.593	91	20676	30.189	ug/l	98
68) m/p-Xylenes	11.703	106	16139	60.671	ug/l	98
69) o-Xylene	12.032	106	9752	38.143	ug/l	97
70) Styrene	12.044	104	21495	49.947	ug/l	97
71) Bromoform	12.209	173	26937	292.200	ug/l #	98
73) Isopropylbenzene	12.331	105	18877	18.732	ug/l	100
74) N-amyl acetate	12.148	43	67507	222.534	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	48148	248.406	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	45861m	306.539	ug/l	
77) Bromobenzene	12.611	156	12516	50.552	ug/l #	22
78) n-propylbenzene	12.672	91	25444	21.258	ug/l	99
79) 2-Chlorotoluene	12.758	91	18137	26.986	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	18723	22.387	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	20714	279.106	ug/l	98
82) 4-Chlorotoluene	12.855	91	21614	31.081	ug/l	99
83) tert-Butylbenzene	13.075	119	14592	19.444	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	21275	25.781	ug/l	98
85) sec-Butylbenzene	13.258	105	21316	19.693	ug/l	99
86) p-Isopropyltoluene	13.367	119	19454	20.934	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	18938	39.201	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	21702	45.283	ug/l	97
89) n-Butylbenzene	13.696	91	20399	24.229	ug/l	98
90) Hexachloroethane	13.959	117	3885	23.252	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	26243	61.499	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13841	376.690	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	19907	67.912	ug/l	97
94) Hexachlorobutadiene	15.117	225	6141	32.355	ug/l	99
95) Naphthalene	15.239	128	131356	227.324	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	24551	94.538	ug/l	98

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

