

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081821\
 Data File : VY005732.D
 Acq On : 18 Aug 2021 12:16
 Operator : SY/MD
 Sample : M3390-06MSD
 Misc : 5.28G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SWCS-03-1015MSD

Manual Integrations
 APPROVED

Quant Time: Aug 19 05:16:23 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	7.801	168	2754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	3598	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1134	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	1708	61.268	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.540%	
35) Dibromofluoromethane	7.728	113	1241	54.234	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.460%	
50) Toluene-d8	10.179	98	4687	48.840	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.680%	
62) 4-Bromofluorobenzene	12.483	95	1198	37.698	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 75.400%	

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Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.912	85	1527	67.508	ug/l	94
3) Chloromethane	2.119	50	1007	37.269	ug/l	# 87
4) Vinyl Chloride	2.253	62	2285	70.604	ug/l	# 87
5) Bromomethane	2.674	94	461	21.641	ug/l	83
6) Chloroethane	2.796	64	902	46.173	ug/l	94
7) Trichlorofluoromethane	3.143	101	3059	70.596	ug/l	95
8) Diethyl Ether	3.521	74	1041	68.785	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.918	101	1717	73.052	ug/l	96
10) Methyl Iodide	4.113	142	3444	117.615	ug/l	# 96
11) Tert butyl alcohol	4.942	59	78	28.303	ug/l	# 73
12) 1,1-Dichloroethene	3.881	96	2781	117.174	ug/l	85
13) Acrolein	3.741	56	596	358.446	ug/l	# 81
14) Allyl chloride	4.485	41	1230	29.589	ug/l	# 87
15) Acrylonitrile	5.161	53	2212	285.195	ug/l	# 84
16) Acetone	3.948	43	4251	604.818	ug/l	100
17) Carbon Disulfide	4.198	76	3979	54.386	ug/l	# 93
18) Methyl Acetate	4.473	43	1247	67.837	ug/l	# 72
19) Methyl tert-butyl Ether	5.228	73	1212	16.484	ug/l	# 80
20) Methylene Chloride	4.710	84	2416	91.792	ug/l	# 71
21) trans-1,2-Dichloroethene	5.216	96	1531	57.697	ug/l	85
22) Diisopropyl ether	6.125	45	4956	57.790	ug/l	96
23) Vinyl Acetate	6.125	43	2825	49.499	ug/l	# 72
24) 1,1-Dichloroethane	6.009	63	2664	56.053	ug/l	# 83
25) 2-Butanone	6.990	43	3130	301.263	ug/l	# 86
26) 2,2-Dichloropropane	6.984	77	85	1.958	ug/l	# 53
27) cis-1,2-Dichloroethene	6.990	96	2004	66.403	ug/l	84
28) Bromochloromethane	7.338	49	1138	59.993	ug/l	# 88
29) Tetrahydrofuran	7.362	42	2315	336.881	ug/l	94
30) Chloroform	7.509	83	3038	62.628	ug/l	# 81
31) Cyclohexane	7.789	56	2557	53.474	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	1620	36.330	ug/l	97
36) 1,1-Dichloropropene	7.923	75	2014	52.539	ug/l	98
37) Ethyl Acetate	7.082	43	706	30.401	ug/l	# 69
38) Carbon Tetrachloride	7.905	117	1504	36.100	ug/l	92
39) Methylcyclohexane	9.191	83	2501	51.282	ug/l	# 86
40) Benzene	8.161	78	6330	57.665	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	815m	64.681	ug/l	
42) 1,2-Dichloroethane	8.240	62	2022	56.787	ug/l	89
43) Isopropyl Acetate	8.283	43	341	7.756	ug/l #	63
44) Trichloroethene	8.941	130	2535	84.613	ug/l	94
45) 1,2-Dichloropropane	9.228	63	1451	52.836	ug/l	95
46) Dibromomethane	9.307	93	763	50.247	ug/l	95
47) Bromodichloromethane	9.496	83	1976	51.995	ug/l #	98
48) Methyl methacrylate	9.301	41	660	33.216	ug/l #	83
49) 1,4-Dioxane	9.289	88	322	1525.802	ug/l #	72
51) 4-Methyl-2-Pentanone	10.075	43	5871	253.563	ug/l	95
52) Toluene	10.246	92	3670	52.433	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	175	3.797	ug/l #	65
55) 1,1,2-Trichloroethane	10.648	97	1251	56.939	ug/l	98
56) Ethyl methacrylate	10.514	69	594	18.055	ug/l #	86
57) 1,3-Dichloropropane	10.795	76	1113	28.727	ug/l	93
59) 2-Hexanone	10.831	43	3110	190.038	ug/l	99
60) Dibromochloromethane	10.984	129	973	35.785	ug/l	99
61) 1,2-Dibromoethane	11.093	107	404	19.412	ug/l #	74
64) Tetrachloroethene	10.721	164	2750	100.411	ug/l	94
65) Chlorobenzene	11.520	112	3828	52.870	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	807	29.614	ug/l	86
67) Ethyl Benzene	11.593	91	6192	47.163	ug/l #	87
68) m/p-Xylenes	11.709	106	4872	95.541	ug/l	95
69) o-Xylene	12.026	106	2309	47.111	ug/l	95
70) Styrene	12.044	104	3236	39.225	ug/l	94
71) Bromoform	12.209	173	449	25.407	ug/l #	91
73) Isopropylbenzene	12.331	105	5915	74.726	ug/l	96
74) N-amyl acetate	12.148	43	633	26.565	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	440	28.900	ug/l #	82
76) 1,2,3-Trichloropropane	12.636	75	483m	41.101	ug/l	
77) Bromobenzene	12.611	156	1411	72.554	ug/l	90
78) n-propylbenzene	12.672	91	6047	64.321	ug/l	96
79) 2-Chlorotoluene	12.758	91	3472	65.769	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	3808	57.968	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.325	75	82	14.066	ug/l #	63
82) 4-Chlorotoluene	12.855	91	2948	53.971	ug/l	95
83) tert-Butylbenzene	13.075	119	3901	66.178	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	3292	50.787	ug/l	99
85) sec-Butylbenzene	13.251	105	4708	55.374	ug/l	99
86) p-Isopropyltoluene	13.367	119	3682	50.441	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	1896	49.965	ug/l	97
88) 1,4-Dichlorobenzene	13.447	146	1559	41.414	ug/l	93
89) n-Butylbenzene	13.696	91	2097	31.710	ug/l	96
90) Hexachloroethane	13.959	117	111	8.458	ug/l #	22
91) 1,2-Dichlorobenzene	13.739	146	1341	40.008	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.355	75	30	10.394	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.013	180	311	13.507	ug/l	89
94) Hexachlorobutadiene	15.117	225	340	22.806	ug/l #	72
95) Naphthalene	15.239	128	565	12.448	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.422	180	104	5.098	ug/l #	1

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