

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081721\
 Data File : VY005714.D
 Acq On : 17 Aug 2021 16:20
 Operator : SY/MD
 Sample : M3390-06MSD
 Misc : 5.90G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SWCS-03-1015MSD

Manual Integrations
 APPROVED

MMDadoda
 8/18/2021 6:59:47 PM

Quant Time: Aug 18 01:52:20 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	182647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	274054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	251258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	100477	54.346	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.700%	
35) Dibromofluoromethane	7.728	113	80201	52.270	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.540%	
50) Toluene-d8	10.185	98	326327	50.711	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.420%	
62) 4-Bromofluorobenzene	12.483	95	107085	50.252	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.500%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	67064	44.705	ug/l	96
3) Chloromethane	2.119	50	81829	45.665	ug/l	97
4) Vinyl Chloride	2.260	62	102816	47.902	ug/l	99
5) Bromomethane	2.656	94	64879	45.923	ug/l	98
6) Chloroethane	2.802	64	67462	52.071	ug/l	95
7) Trichlorofluoromethane	3.137	101	145142	50.506	ug/l	98
8) Diethyl Ether	3.540	74	50777	50.590	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	76777	49.255	ug/l	98
10) Methyl Iodide	4.101	142	102516	52.789	ug/l	99
11) Tert butyl alcohol	4.960	59	45921	251.249	ug/l	99
12) 1,1-Dichloroethene	3.881	96	78068	49.597	ug/l	95
13) Acrolein	3.735	56	20575	186.582	ug/l	97
14) Allyl chloride	4.491	41	145824	52.894	ug/l	99
15) Acrylonitrile	5.174	53	134780	262.020	ug/l	99
16) Acetone	3.954	43	144144	309.230	ug/l	100
17) Carbon Disulfide	4.204	76	227359	46.857	ug/l	98
18) Methyl Acetate	4.491	43	65417	53.659	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	260205	53.361	ug/l	100
20) Methylene Chloride	4.722	84	97427	53.108	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	88457	50.265	ug/l	96
22) Diisopropyl ether	6.131	45	317574	55.836	ug/l	99
23) Vinyl Acetate	6.070	43	964151	254.725	ug/l	99
24) 1,1-Dichloroethane	6.027	63	170351	54.046	ug/l	100
25) 2-Butanone	6.996	43	189941	275.659	ug/l	100
26) 2,2-Dichloropropane	6.990	77	155165	53.881	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	105246	52.583	ug/l	96
28) Bromochloromethane	7.344	49	65130	51.771	ug/l	94
29) Tetrahydrofuran	7.356	42	119209	261.569	ug/l	97
30) Chloroform	7.515	83	175259	54.477	ug/l	98
31) Cyclohexane	7.789	56	147100	46.385	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	158823	53.705	ug/l	99
36) 1,1-Dichloropropene	7.923	75	128984	50.180	ug/l	98
37) Ethyl Acetate	7.082	43	79408	50.994	ug/l	99
38) Carbon Tetrachloride	7.905	117	143104	51.224	ug/l	97
39) Methylcyclohexane	9.185	83	147762	45.184	ug/l	98
40) Benzene	8.167	78	378489	51.420	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	46544m	55.087	ug/l	
42) 1,2-Dichloroethane	8.246	62	128386	53.772	ug/l	98
43) Isopropyl Acetate	8.283	43	155366	52.699	ug/l	97
44) Trichloroethene	8.941	130	101604	50.575	ug/l	97
45) 1,2-Dichloropropane	9.222	63	96506	52.406	ug/l	100
46) Dibromomethane	9.313	93	53237	52.284	ug/l	97
47) Bromodichloromethane	9.502	83	134882	52.930	ug/l	100
48) Methyl methacrylate	9.295	41	70651	53.026	ug/l	97
49) 1,4-Dioxane	9.301	88	14729	1040.840	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	416205	268.070	ug/l	98
52) Toluene	10.246	92	240271	51.192	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	148405	52.110	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	161859	52.369	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	77255	52.438	ug/l	98
56) Ethyl methacrylate	10.514	69	115654	52.427	ug/l	96
57) 1,3-Dichloropropane	10.795	76	136204	52.427	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	303181	287.626	ug/l	99
59) 2-Hexanone	10.831	43	294007	267.920	ug/l	99
60) Dibromochloromethane	10.984	129	95695	52.486	ug/l	99
61) 1,2-Dibromoethane	11.093	107	71010	50.883	ug/l	99
64) Tetrachloroethene	10.721	164	94765	49.550	ug/l	98
65) Chlorobenzene	11.520	112	254891	50.412	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	100857	52.999	ug/l	99
67) Ethyl Benzene	11.593	91	462830	50.481	ug/l	99
68) m/p-Xylenes	11.703	106	359902	101.067	ug/l	99
69) o-Xylene	12.032	106	174174	50.889	ug/l	100
70) Styrene	12.044	104	293484	50.942	ug/l	99
71) Bromoform	12.209	173	63262	51.262	ug/l	97
73) Isopropylbenzene	12.331	105	448065	51.225	ug/l	99
74) N-amyl acetate	12.142	43	135098	51.309	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	88183	52.416	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	60814m	46.832	ug/l	
77) Bromobenzene	12.611	156	110568	51.451	ug/l	95
78) n-propylbenzene	12.672	91	531785	51.189	ug/l	99
79) 2-Chlorotoluene	12.758	91	298817	51.224	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	374269	51.559	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	34213	53.112	ug/l	99
82) 4-Chlorotoluene	12.855	91	309721	51.314	ug/l	100
83) tert-Butylbenzene	13.075	119	339145	52.066	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	371551	51.873	ug/l	99
85) sec-Butylbenzene	13.251	105	473495	50.398	ug/l	99
86) p-Isopropyltoluene	13.367	119	404984	50.208	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	207095	49.388	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	205166	49.322	ug/l	99
89) n-Butylbenzene	13.696	91	341458	46.726	ug/l	100
90) Hexachloroethane	13.959	117	77813	53.656	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	188356	50.854	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17229	54.022	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	112119	44.067	ug/l	100
94) Hexachlorobutadiene	15.111	225	70753	42.948	ug/l	100
95) Naphthalene	15.233	128	248911	49.629	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	102154	45.320	ug/l	98

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

