

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010721\
 Data File : VX020529.D
 Acq On : 07 Jan 2021 16:32
 Operator : JC/MD
 Sample : L5214-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2021-01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2021 10:10:48 AM

Quant Time: Jan 08 00:56:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM010721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 00:55:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.824	114	414850	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.092	117	390772	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.061	152	176838	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.386	65	139207	41.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.54%
7) Chloroethane-d5	1.691	69	114467	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.88%
11) 1,1-Dichloroethene-d2	2.343	63	203809	32.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.48%
21) 2-Butanone-d5	4.526	46	185577	90.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.87%
24) Chloroform-d	5.135	84	270035	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	6.025	65	172127	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.64%
32) Benzene-d6	6.044	84	552521	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
36) 1,2-Dichloropropane-d6	7.367	67	171308	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.26%
41) Toluene-d8	8.696	98	473158	44.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.80%
43) trans-1,3-Dichloroprop...	8.988	79	79219	44.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.60%
47) 2-Hexanone-d5	9.421	63	140109	87.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.27%
56) 1,1,2,2-Tetrachloroeth...	11.232	84	210103	41.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.24%
66) 1,2-Dichlorobenzene-d4	12.360	152	169506	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	9670	2.39	ug/L	97
3) Chloromethane	1.313	50	8650	2.38	ug/L	99
5) Vinyl chloride	1.392	62	9065	2.35	ug/L #	75
6) Bromomethane	1.636	94	5405	2.77	ug/L	96
8) Chloroethane	1.715	64	5825	2.52	ug/L	99
9) Trichlorofluoromethane	1.916	101	11497	2.36	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.367	101	8972	2.97	ug/L	86
12) 1,1-Dichloroethene	2.355	96	8573	2.90	ug/L #	1
13) Acetone	2.422	43	8789	5.25	ug/L	98
14) Carbon disulfide	2.550	76	20992	2.21	ug/L	98
15) Methyl Acetate	2.752	43	7401	2.22	ug/L	97
16) Methylene chloride	2.831	84	9235	2.61	ug/L	98
17) trans-1,2-Dichloroethene	3.136	96	7069	2.22	ug/L	98
18) Methyl tert-butyl Ether	3.166	73	20684	2.15	ug/L	97
19) 1,1-Dichloroethane	3.666	63	13287	2.31	ug/L	100
20) cis-1,2-Dichloroethene	4.556	96	7964	2.29	ug/L	90
22) 2-Butanone	4.635	43	10550	4.26	ug/L	98
23) Bromochloromethane	4.977	128	4109	2.28	ug/L	93
25) Chloroform	5.166	83	15206	2.42	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.153	62	11205	2.42	ug/L	99
29) Cyclohexane	5.544	56	9848	2.04	ug/L	96
30) 1,1,1-Trichloroethane	5.458	97	11848	2.37	ug/L	98
31) Carbon tetrachloride	5.745	117	9925m	2.35	ug/L	
33) Benzene	6.111	78	30558	2.37	ug/L	100
34) Trichloroethene	7.184	95	8019	2.44	ug/L	98
35) Methylcyclohexane	7.440	83	10128	2.05	ug/L	94
37) 1,2-Dichloropropane	7.482	63	7753	2.37	ug/L	98
38) Bromodichloromethane	7.873	83	9635	2.29	ug/L	97
39) cis-1,3-Dichloropropene	8.415	75	11204	2.27	ug/L	94
40) 4-Methyl-2-pentanone	8.616	43	16902	3.93	ug/L	100
42) Toluene	8.763	91	31347	2.32	ug/L	99
44) trans-1,3-Dichloropropene	9.019	75	10337	2.15	ug/L	97
45) 1,1,2-Trichloroethane	9.195	97	7749	2.39	ug/L	99
46) Tetrachloroethene	9.317	164	6047	2.37	ug/L	93
48) 2-Hexanone	9.470	43	16347	4.81	ug/L	98
49) Dibromochloromethane	9.561	129	7349	2.21	ug/L	98
50) 1,2-Dibromoethane	9.653	107	7943	2.36	ug/L	97
51) Chlorobenzene	10.116	112	20081	2.34	ug/L	99
52) Ethylbenzene	10.232	91	31494	2.18	ug/L	97
53) m,p-Xylene	10.342	106	11117	2.06	ug/L	91
54) o-Xylene	10.683	106	10068	1.92	ug/L	92
55) Styrene	10.695	104	16625	1.87	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.250	83	11485	2.23	ug/L	96
59) Bromoform	10.835	173	4692	2.12	ug/L	99
60) Isopropylbenzene	11.000	105	25109	2.01	ug/L	100
61) 1,2,3-Trichloropropane	11.280	75	8904	2.31	ug/L	98
62) 1,3,5-Trimethylbenzene	11.488	105	19466	1.91	ug/L	99
63) 1,2,4-Trimethylbenzene	11.786	105	18895	1.84	ug/L	98
64) 1,3-Dichlorobenzene	12.006	146	12977	2.23	ug/L	93
65) 1,4-Dichlorobenzene	12.079	146	13491	2.30	ug/L	96
67) 1,2-Dichlorobenzene	12.372	146	14273	2.46	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.981	75	2190	2.24	ug/L	96
69) 1,3,5-Trichlorobenzene	13.152	180	9290	2.33	ug/L	96
70) 1,2,4-trichlorobenzene	13.628	180	7117	2.07	ug/L	97
71) Naphthalene	13.817	128	18386	1.62	ug/L	99
72) 1,2,3-Trichlorobenzene	13.999	180	7138	2.02	ug/L	97

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

