

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019265.D
 Acq On : 05 Nov 2020 00:44
 Operator : SY/MD
 Sample : L4485-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-07

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 11:04:00 AM

Quant Time: Nov 05 05:26:14 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 05 04:58:48 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	220992	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	212405	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	101569	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71641	42.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.02%
7) Chloroethane-d5	1.58	69	64439	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.44%
11) 1,1-Dichloroethene-d2	2.12	63	111075	35.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.36%
21) 2-Butanone-d5	3.90	46	107078	113.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.86%
24) Chloroform-d	4.38	84	149854	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
26) 1,2-Dichloroethane-d4	5.06	65	112358	50.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.04%
32) Benzene-d6	5.07	84	276810	47.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.09	67	89609	51.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.34%
41) Toluene-d8	7.34	98	238154	43.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.18%
43) trans-1,3-Dichloropropene-	7.64	79	44781	45.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.34%
47) 2-Hexanone-d5	8.11	63	68964	101.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.45%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	114048	48.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.76%
66) 1,2-Dichlorobenzene-d4	11.65	152	103396	50.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3176	2.346 ug/L	95
3) Chloromethane	1.25	50	3684	2.613 ug/L	90
5) Vinyl chloride	1.32	62	4371	2.979 ug/L #	53
6) Bromomethane	1.53	94	2853	2.893 ug/L	95
8) Chloroethane	1.60	64	3013	3.139 ug/L	99
9) Trichlorofluoromethane	1.77	101	6063	2.496 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3566	3.089 ug/L	86
12) 1,1-Dichloroethene	2.13	96	4193	3.515 ug/L #	1
13) Acetone	2.19	43	4800	6.712 ug/L	99
14) Carbon disulfide	2.31	76	8883	2.593 ug/L	96
15) Methyl Acetate	2.46	43	4321	3.118 ug/L #	87
16) Methylene chloride	2.53	84	4420	3.117 ug/L	84
17) trans-1,2-Dichloroethene	2.78	96	3186	2.462 ug/L	85
18) Methyl tert-butyl Ether	2.78	73	12235	2.689 ug/L #	86
19) 1,1-Dichloroethane	3.22	63	6975	2.751 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	3742	2.616 ug/L	100
22) 2-Butanone	4.03	43	3431m	3.780 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.29	128	2019	2.564	ug/L	86
25) Chloroform	4.41	83	8495m	3.125	ug/L	
27) 1,2-Dichloroethane	5.16	62	6427	2.781	ug/L #	94
29) Cyclohexane	4.71	56	4198	2.310	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	5962	2.420	ug/L #	68
31) Carbon tetrachloride	4.86	117	4798	2.256	ug/L	100
33) Benzene	5.13	78	13916	2.636	ug/L	100
34) Trichloroethene	5.95	95	4024	2.805	ug/L	96
35) Methylcyclohexane	6.15	83	3785	2.180	ug/L	94
37) 1,2-Dichloropropane	6.21	63	3849	2.732	ug/L #	92
38) Bromodichloromethane	6.54	83	5249	2.589	ug/L	88
39) cis-1,3-Dichloropropene	7.05	75	5640m	2.502	ug/L	
40) 4-Methyl-2-pentanone	7.25	43	9368	4.950	ug/L	97
42) Toluene	7.41	91	15532	2.722	ug/L	95
44) trans-1,3-Dichloropropene	7.68	75	5454m	2.361	ug/L	
45) 1,1,2-Trichloroethane	7.86	97	3687	2.648	ug/L	93
46) Tetrachloroethene	8.00	164	2685	2.294	ug/L	96
48) 2-Hexanone	8.16	43	9008	6.296	ug/L #	85
49) Dibromochloromethane	8.27	129	3827	2.305	ug/L	85
50) 1,2-Dibromoethane	8.38	107	3577	2.478	ug/L #	98
51) Chlorobenzene	8.90	112	9153	2.398	ug/L	96
52) Ethylbenzene	9.04	91	14311	2.273	ug/L	99
53) m,p-Xylene	9.16	106	4902	2.080	ug/L	100
54) o-Xylene	9.57	106	4928	2.121	ug/L	94
55) Styrene	9.59	104	8098	1.958	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	5797	2.752	ug/L	87
59) Bromoform	9.75	173	2891	2.565	ug/L	95
60) Isopropylbenzene	9.95	105	12178	2.288	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	5047	3.198	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	9934	2.241	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	9233	2.128	ug/L	100
64) 1,3-Dichlorobenzene	11.21	146	7115	2.555	ug/L	97
65) 1,4-Dichlorobenzene	11.30	146	7844	2.723	ug/L	94
67) 1,2-Dichlorobenzene	11.67	146	8022	2.816	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.45	75	1167	2.535	ug/L	93
69) 1,3,5-Trichlorobenzene	12.67	180	4776m	2.390	ug/L	
70) 1,2,4-trichlorobenzene	13.29	180	4165	2.215	ug/L	93
71) Naphthalene	13.53	128	9464	1.784	ug/L #	91
72) 1,2,3-Trichlorobenzene	13.77	180	4256	2.283	ug/L	91

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

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