

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019264.D
 Acq On : 05 Nov 2020 00:20
 Operator : SY/MD
 Sample : L4485-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-06

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 11:03:56 AM

Quant Time: Nov 05 05:23:42 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	228082	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	218098	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	105962	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74897	42.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.10%
7) Chloroethane-d5	1.58	69	66774	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.82%
11) 1,1-Dichloroethene-d2	2.12	63	116678	35.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.60%
21) 2-Butanone-d5	3.91	46	113642	117.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.09%
24) Chloroform-d	4.38	84	156839	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
26) 1,2-Dichloroethane-d4	5.05	65	113553	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
32) Benzene-d6	5.07	84	287901	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.62%
36) 1,2-Dichloropropane-d6	6.09	67	91937	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.26%
41) Toluene-d8	7.34	98	248248	44.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.50%
43) trans-1,3-Dichloropropene-	7.64	79	47943	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.18%
47) 2-Hexanone-d5	8.11	63	71988	103.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.13%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	115372	48.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.32%
66) 1,2-Dichlorobenzene-d4	11.65	152	107599	50.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2508	1.795 ug/L	99
3) Chloromethane	1.25	50	3277	2.252 ug/L	99
5) Vinyl chloride	1.32	62	3554	2.347 ug/L #	44
6) Bromomethane	1.53	94	2478	2.435 ug/L	95
8) Chloroethane	1.60	64	2583	2.608 ug/L	95
9) Trichlorofluoromethane	1.77	101	4949	1.974 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3443	2.890 ug/L #	79
12) 1,1-Dichloroethene	2.14	96	3500	2.843 ug/L #	1
13) Acetone	2.19	43	3477	4.711 ug/L	100
14) Carbon disulfide	2.31	76	7566	2.140 ug/L	97
15) Methyl Acetate	2.45	43	3372	2.358 ug/L	92
16) Methylene chloride	2.52	84	3674	2.510 ug/L	89
17) trans-1,2-Dichloroethene	2.78	96	2785	2.085 ug/L	90
18) Methyl tert-butyl Ether	2.79	73	10151	2.162 ug/L	97
19) 1,1-Dichloroethane	3.22	63	5967	2.280 ug/L	96
20) cis-1,2-Dichloroethene	3.95	96	3375	2.286 ug/L	93
22) 2-Butanone	4.02	43	3257m	3.476 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	2026	2.493	ug/L	89
25) Chloroform	4.41	83	8473	3.020	ug/L	99
27) 1,2-Dichloroethane	5.17	62	5684	2.383	ug/L	99
29) Cyclohexane	4.70	56	3379m	1.810	ug/L	
30) 1,1,1-Trichloroethane	4.64	97	5252	2.076	ug/L #	88
31) Carbon tetrachloride	4.86	117	4354	1.994	ug/L	100
33) Benzene	5.13	78	12331	2.275	ug/L	100
34) Trichloroethene	5.95	95	3301	2.241	ug/L	98
35) Methylcyclohexane	6.15	83	3315	1.859	ug/L #	91
37) 1,2-Dichloropropane	6.20	63	3622	2.504	ug/L #	90
38) Bromodichloromethane	6.54	83	4655	2.236	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	5028	2.172	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	8443	4.345	ug/L	95
42) Toluene	7.41	91	13995	2.389	ug/L	96
44) trans-1,3-Dichloropropene	7.68	75	5350	2.256	ug/L	90
45) 1,1,2-Trichloroethane	7.87	97	3450	2.413	ug/L	95
46) Tetrachloroethene	8.00	164	2322	1.932	ug/L	93
48) 2-Hexanone	8.16	43	10466	7.124	ug/L #	91
49) Dibromochloromethane	8.27	129	3596	2.109	ug/L	97
50) 1,2-Dibromoethane	8.38	107	3392	2.289	ug/L #	92
51) Chlorobenzene	8.90	112	8270	2.110	ug/L	97
52) Ethylbenzene	9.04	91	12116	1.874	ug/L	98
53) m,p-Xylene	9.16	106	4525	1.870	ug/L	87
54) o-Xylene	9.57	106	4503	1.888	ug/L	99
55) Styrene	9.59	104	7424	1.749	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	5024	2.323	ug/L #	94
59) Bromoform	9.76	173	2470	2.100	ug/L #	94
60) Isopropylbenzene	9.95	105	10119	1.822	ug/L	97
61) 1,2,3-Trichloropropane	10.30	75	4232	2.571	ug/L #	93
62) 1,3,5-Trimethylbenzene	10.56	105	7999	1.729	ug/L	98
63) 1,2,4-Trimethylbenzene	10.94	105	8006	1.769	ug/L	99
64) 1,3-Dichlorobenzene	11.21	146	6460	2.224	ug/L	98
65) 1,4-Dichlorobenzene	11.30	146	6866	2.285	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	6940	2.335	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	1130	2.353	ug/L #	86
69) 1,3,5-Trichlorobenzene	12.67	180	4148	1.989	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	3472	1.770	ug/L	94
71) Naphthalene	13.53	128	7855	1.420	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	3865	1.987	ug/L	92

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

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