

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021020\
 Data File : VV014550.D
 Acq On : 10 Feb 2020 14:33
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Quant Time: Feb 11 04:46:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 04:43:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	325521	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	303865	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	151640	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68774	38.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.92%
7) Chloroethane-d5	1.58	69	50295	41.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.68%
11) 1,1-Dichloroethene-d2	2.13	63	87083	32.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.96%
21) 2-Butanone-d5	3.92	46	126246	92.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.65%
24) Chloroform-d	4.40	84	190552	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
26) 1,2-Dichloroethane-d4	5.08	65	121980	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
32) Benzene-d6	5.10	84	405956	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.50%
36) 1,2-Dichloropropane-d6	6.11	67	122745	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.14%
41) Toluene-d8	7.36	98	377845	48.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.54%
43) trans-1,3-Dichloropropene-	7.66	79	64361	46.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.04%
47) 2-Hexanone-d5	8.13	63	101943	92.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.87%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	167284	49.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.86%
66) 1,2-Dichlorobenzene-d4	11.67	152	146320	50.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	6618	2.538 ug/L	96
3) Chloromethane	1.25	50	6013	2.277 ug/L	97
5) Vinyl chloride	1.33	62	4603	2.276 ug/L #	82
6) Bromomethane	1.53	94	1930	2.075 ug/L	97
8) Chloroethane	1.60	64	2203	2.192 ug/L	91
9) Trichlorofluoromethane	1.77	101	6539	2.400 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3881	2.967 ug/L #	79
12) 1,1-Dichloroethene	2.14	96	3311	2.646 ug/L #	1
13) Acetone	2.18	43	7588	6.651 ug/L	97
14) Carbon disulfide	2.32	76	13319	2.193 ug/L	99
15) Methyl Acetate	2.46	43	4394	2.003 ug/L	91
16) Methylene chloride	2.53	84	6482	2.728 ug/L	90
17) trans-1,2-Dichloroethene	2.79	96	5113	2.320 ug/L	93
18) Methyl tert-butyl Ether	2.80	73	15654	2.243 ug/L	94
19) 1,1-Dichloroethane	3.23	63	9288	2.356 ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	6169	2.487 ug/L	98
22) 2-Butanone	4.03	43	6889	4.083 ug/L	82

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

23) Bromochloromethane	4.30	128	2945	2.507	ug/L #	73
25) Chloroform	4.42	83	14350	3.580	ug/L	99
27) 1,2-Dichloroethane	5.18	62	7136	2.390	ug/L	96
29) Cyclohexane	4.72	56	8095	2.167	ug/L	93
30) 1,1,1-Trichloroethane	4.66	97	8646	2.493	ug/L	98
31) Carbon tetrachloride	4.87	117	7424	2.427	ug/L	94
33) Benzene	5.15	78	21431	2.399	ug/L	100
34) Trichloroethene	5.96	95	5587	2.359	ug/L	97
35) Methylcyclohexane	6.17	83	9523	2.461	ug/L	95
37) 1,2-Dichloropropane	6.22	63	5044	2.217	ug/L	99
38) Bromodichloromethane	6.56	83	7286	2.386	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	8242	2.171	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	12415	4.222	ug/L	97
42) Toluene	7.43	91	23701	2.474	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	8081	2.374	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	5120	2.345	ug/L	94
46) Tetrachloroethene	8.02	164	4210	2.331	ug/L	91
48) 2-Hexanone	8.18	43	10441	4.612	ug/L #	98
49) Dibromochloromethane	8.29	129	5975	2.424	ug/L	97
50) 1,2-Dibromoethane	8.39	107	5830	2.466	ug/L	95
51) Chlorobenzene	8.92	112	15344	2.452	ug/L	97
52) Ethylbenzene	9.05	91	25019	2.329	ug/L	99
53) m,p-Xylene	9.18	106	9871	2.386	ug/L	95
54) o-Xylene	9.58	106	9267	2.340	ug/L	97
55) Styrene	9.60	104	15506	2.291	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	8653	2.529	ug/L #	91
59) Bromoform	9.77	173	3927	2.322	ug/L #	95
60) Isopropylbenzene	9.97	105	24886	2.427	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	6733	2.507	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	19562	2.228	ug/L	96
63) 1,2,4-Trimethylbenzene	10.95	105	18486	2.136	ug/L	97
64) 1,3-Dichlorobenzene	11.22	146	12264	2.535	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	12741	2.559	ug/L	97
67) 1,2-Dichlorobenzene	11.68	146	12333	2.630	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	2029	2.698	ug/L #	83
69) 1,3,5-Trichlorobenzene	12.69	180	8101	2.377	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	7285	2.328	ug/L	98
71) Naphthalene	13.55	128	21724	2.114	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	6476	2.130	ug/L	97

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

