

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080619\
 Data File : VV012115.D
 Acq On : 06 Aug 2019 15:32
 Operator : SY/MD
 Sample : MDL02
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Quant Time: Aug 06 18:24:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 18:20:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	278710	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	255093	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	127260	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64651	42.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.88%
7) Chloroethane-d5	1.58	69	48036	44.42	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.84%
11) 1,1-Dichloroethene-d2	2.13	63	95106	36.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.02%
21) 2-Butanone-d5	3.92	46	119769	107.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.89%
24) Chloroform-d	4.40	84	182634	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
26) 1,2-Dichloroethane-d4	5.08	65	122296	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
32) Benzene-d6	5.10	84	362732	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
36) 1,2-Dichloropropane-d6	6.12	67	105385	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.12%
41) Toluene-d8	7.36	98	347961	49.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.32%
43) trans-1,3-Dichloropropene-	7.66	79	60619	50.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.28%
47) 2-Hexanone-d5	8.13	63	93006	105.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.32%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	149994	50.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.10%
66) 1,2-Dichlorobenzene-d4	11.67	152	152345	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4676	2.375 ug/L	96
3) Chloromethane	1.25	50	3849	2.754 ug/L	97
5) Vinyl chloride	1.32	62	3260	2.416 ug/L #	50
6) Bromomethane	1.53	94	1903	2.429 ug/L	97
8) Chloroethane	1.60	64	1599	2.263 ug/L	94
9) Trichlorofluoromethane	1.77	101	5093	2.322 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3129	2.910 ug/L	87
12) 1,1-Dichloroethene	2.14	96	3260	3.219 ug/L #	1
13) Acetone	2.19	43	3815	5.041 ug/L	89
14) Carbon disulfide	2.32	76	8421	2.461 ug/L #	95
15) Methyl Acetate	2.46	43	3278	2.475 ug/L	93
16) Methylene chloride	2.54	84	3835	2.496 ug/L	90
17) trans-1,2-Dichloroethene	2.79	96	3464	2.423 ug/L	93
18) Methyl tert-butyl Ether	2.80	73	11594	2.360 ug/L	98
19) 1,1-Dichloroethane	3.23	63	6634	2.544 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	4095	2.431 ug/L	85
22) 2-Butanone	4.03	43	4867	4.990 ug/L #	58

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

23) Bromochloromethane	4.31	128	2243	2.422	ug/L #	85
25) Chloroform	4.43	83	8939	3.024	ug/L	97
27) 1,2-Dichloroethane	5.18	62	5761	2.508	ug/L #	88
29) Cyclohexane	4.73	56	5198	2.437	ug/L #	67
30) 1,1,1-Trichloroethane	4.66	97	6892	2.543	ug/L	93
31) Carbon tetrachloride	4.88	117	6052	2.407	ug/L	95
33) Benzene	5.15	78	14817	2.523	ug/L	100
34) Trichloroethene	5.96	95	4323	2.649	ug/L	93
35) Methylcyclohexane	6.18	83	5467	2.250	ug/L	91
37) 1,2-Dichloropropane	6.22	63	3466	2.420	ug/L #	91
38) Bromodichloromethane	6.55	83	5670	2.516	ug/L #	85
39) cis-1,3-Dichloropropene	7.07	75	6427	2.545	ug/L	92
40) 4-Methyl-2-pentanone	7.27	43	8426	4.571	ug/L	97
42) Toluene	7.43	91	16404	2.514	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	5823	2.443	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	3516	2.277	ug/L	96
46) Tetrachloroethene	8.02	164	3825	2.515	ug/L	93
48) 2-Hexanone	8.18	43	7779	5.597	ug/L	91
49) Dibromochloromethane	8.29	129	4785	2.388	ug/L	99
50) 1,2-Dibromoethane	8.40	107	4426	2.592	ug/L #	90
51) Chlorobenzene	8.93	112	11169	2.539	ug/L	93
52) Ethylbenzene	9.05	91	17790	2.430	ug/L	98
53) m,p-Xylene	9.18	106	7007	2.481	ug/L	82
54) o-Xylene	9.59	106	6834	2.439	ug/L	91
55) Styrene	9.60	104	10648	2.255	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.28	83	6526	2.749	ug/L #	96
59) Bromoform	9.77	173	3309	2.217	ug/L #	89
60) Isopropylbenzene	9.97	105	17547	2.519	ug/L	98
61) 1,2,3-Trichloropropane	10.31	75	4618	2.672	ug/L	91
62) 1,3,5-Trimethylbenzene	10.58	105	14080	2.338	ug/L	95
63) 1,2,4-Trimethylbenzene	10.96	105	13949	2.347	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	8703	2.476	ug/L	98
65) 1,4-Dichlorobenzene	11.32	146	9111	2.564	ug/L	94
67) 1,2-Dichlorobenzene	11.69	146	9236	2.575	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	1453	2.551	ug/L	86
69) 1,3,5-Trichlorobenzene	12.69	180	6745	2.367	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	4996	2.022	ug/L	99
71) Naphthalene	13.56	128	10595	1.692	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	4784	1.924	ug/L	91

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

