

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101119\
 Data File : VV013115.D
 Acq On : 11 Oct 2019 21:31
 Operator : SY/MD
 Sample : MDL03 2.5PPB
 Misc : 5.00ML/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03 2.5PPB

Quant Time: Oct 12 04:04:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 03:59:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	682924	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	645392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	269519	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	225574	52.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.52%
7) Chloroethane-d5	1.58	69	193708	54.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.48%
11) 1,1-Dichloroethene-d2	2.13	63	321049	39.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.86%
21) 2-Butanone-d5	3.92	46	353924	109.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.04%
24) Chloroform-d	4.40	84	431284	51.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.08	65	276010	53.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.76%
32) Benzene-d6	5.10	84	927041	53.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.68%
36) 1,2-Dichloropropane-d6	6.12	67	292469	54.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.42%
41) Toluene-d8	7.36	98	792805	51.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.90%
43) trans-1,3-Dichloropropene-	7.66	79	118987	48.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.38%
47) 2-Hexanone-d5	8.13	63	227293	105.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.89%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	356441	51.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	300827	56.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.94%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11312	2.135 ug/L	99
3) Chloromethane	1.25	50	14174	2.351 ug/L	100
5) Vinyl chloride	1.32	62	12866	2.222 ug/L #	62
6) Bromomethane	1.53	94	8568	2.892 ug/L	94
8) Chloroethane	1.60	64	7741	2.247 ug/L	94
9) Trichlorofluoromethane	1.77	101	15568	2.095 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12560	2.870 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	11900	2.810 ug/L #	1
13) Acetone	2.19	43	10771	3.614 ug/L	94
14) Carbon disulfide	2.32	76	27484	2.238 ug/L	97
15) Methyl Acetate	2.46	43	10952	2.074 ug/L	97
16) Methylene chloride	2.54	84	11420	2.266 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	9433	2.053 ug/L	90
18) Methyl tert-butyl Ether	2.80	73	27652	1.994 ug/L	98
19) 1,1-Dichloroethane	3.23	63	18249	2.106 ug/L	92
20) cis-1,2-Dichloroethene	3.96	96	11133	2.141 ug/L	95
22) 2-Butanone	4.03	43	11794	3.109 ug/L #	72

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

23) Bromochloromethane	4.30	128	5842	2.212	ug/L	79
25) Chloroform	4.42	83	24142	2.765	ug/L	97
27) 1,2-Dichloroethane	5.18	62	14487	2.164	ug/L #	94
29) Cyclohexane	4.73	56	15093	1.953	ug/L #	94
30) 1,1,1-Trichloroethane	4.66	97	14616	2.041	ug/L	99
31) Carbon tetrachloride	4.87	117	12984	2.040	ug/L	97
33) Benzene	5.15	78	40550	2.063	ug/L	100
34) Trichloroethene	5.96	95	11659	2.228	ug/L	97
35) Methylcyclohexane	6.18	83	14632	1.848	ug/L	93
37) 1,2-Dichloropropane	6.22	63	10775	2.117	ug/L	98
38) Bromodichloromethane	6.55	83	13049	2.015	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	14820	1.969	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	24356	3.655	ug/L	98
42) Toluene	7.43	91	43438	2.146	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	12524	1.919	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	10287	2.129	ug/L	94
46) Tetrachloroethene	8.02	164	8543	2.062	ug/L	99
48) 2-Hexanone	8.18	43	26515	5.146	ug/L	96
49) Dibromochloromethane	8.29	129	11058	2.100	ug/L	93
50) 1,2-Dibromoethane	8.40	107	10261	2.032	ug/L #	94
51) Chlorobenzene	8.92	112	28227	2.127	ug/L	96
52) Ethylbenzene	9.05	91	41406	1.916	ug/L	100
53) m,p-Xylene	9.18	106	14706	1.808	ug/L	96
54) o-xylene	9.59	106	14369	1.764	ug/L	90
55) Styrene	9.60	104	21520	1.608	ug/L	98
56) Isopropylbenzene	9.97	105	34488	1.648	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	16153	2.299	ug/L #	98
59) 1,2,3-Trichloropropane	10.31	75	13194	2.129	ug/L	99
61) Bromoform	9.77	173	7344	2.165	ug/L #	95
62) 1,3-Dichlorobenzene	11.22	146	18504	2.123	ug/L	94
63) 1,4-Dichlorobenzene	11.31	146	20535	2.346	ug/L	94
65) 1,2-Dichlorobenzene	11.68	146	20532	2.314	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.48	75	2938	2.277	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	12915	2.078	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	10736	2.014	ug/L	96
69) Naphthalene	13.55	128	24436	1.664	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	11442	2.006	ug/L	99

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

