

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101119\
 Data File : VV013117.D
 Acq On : 11 Oct 2019 22:20
 Operator : SY/MD
 Sample : MDL05 2.5PPB
 Misc : 5.00ML/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05 2.5PPB

Quant Time: Oct 12 03:30:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 01:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	728501	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	686877	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	286278	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	236675	51.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.80%
7) Chloroethane-d5	1.58	69	205161	54.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.70%
11) 1,1-Dichloroethene-d2	2.13	63	340677	39.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.44%
21) 2-Butanone-d5	3.92	46	371242	107.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.22%
24) Chloroform-d	4.40	84	461652	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.16%
26) 1,2-Dichloroethane-d4	5.08	65	295585	54.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.18%
32) Benzene-d6	5.10	84	990232	54.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.06%
36) 1,2-Dichloropropane-d6	6.11	67	312991	54.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.02%
41) Toluene-d8	7.36	98	847778	51.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.38%
43) trans-1,3-Dichloropropene-	7.66	79	128697	49.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.96%
47) 2-Hexanone-d5	8.13	63	229458	100.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	379530	51.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.44%
64) 1,2-Dichlorobenzene-d4	11.67	152	320381	57.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11614	2.055 ug/L	98
3) Chloromethane	1.25	50	15746	2.449 ug/L	98
5) Vinyl chloride	1.32	62	14349	2.323 ug/L #	63
6) Bromomethane	1.53	94	9535	3.017 ug/L	100
8) Chloroethane	1.60	64	8461	2.303 ug/L	97
9) Trichlorofluoromethane	1.77	101	17509	2.209 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13788	2.953 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	12083	2.674 ug/L #	1
13) Acetone	2.19	43	11580	3.642 ug/L	94
14) Carbon disulfide	2.32	76	29491	2.251 ug/L	100
15) Methyl Acetate	2.46	43	12224	2.170 ug/L	99
16) Methylene chloride	2.54	84	12960	2.411 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	10727	2.189 ug/L	92
18) Methyl tert-butyl Ether	2.80	73	31331	2.118 ug/L	99
19) 1,1-Dichloroethane	3.23	63	20681	2.237 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	12505	2.254 ug/L	96
22) 2-Butanone	4.03	43	15142	3.742 ug/L	86

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

23) Bromochloromethane	4.30	128	6191	2.197	ug/L #	85
25) Chloroform	4.42	83	26829	2.880	ug/L	98
27) 1,2-Dichloroethane	5.18	62	16544	2.317	ug/L	98
29) Cyclohexane	4.72	56	15967	1.941	ug/L #	92
30) 1,1,1-Trichloroethane	4.66	97	16886	2.216	ug/L	99
31) Carbon tetrachloride	4.87	117	14599	2.156	ug/L	98
33) Benzene	5.15	78	44741	2.139	ug/L	100
34) Trichloroethene	5.96	95	12410	2.228	ug/L	96
35) Methylcyclohexane	6.18	83	16404	1.947	ug/L	90
37) 1,2-Dichloropropane	6.22	63	11304	2.087	ug/L #	87
38) Bromodichloromethane	6.56	83	14528	2.108	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	16532	2.063	ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	25831	3.642	ug/L	100
42) Toluene	7.43	91	47987	2.228	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	15199	2.188	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	11284	2.194	ug/L	96
46) Tetrachloroethene	8.02	164	9572	2.171	ug/L	95
48) 2-Hexanone	8.18	43	27501	5.015	ug/L	95
49) Dibromochloromethane	8.29	129	11542	2.059	ug/L	95
50) 1,2-Dibromoethane	8.40	107	11675	2.172	ug/L	98
51) Chlorobenzene	8.92	112	31080	2.201	ug/L	96
52) Ethylbenzene	9.05	91	45331	1.970	ug/L	99
53) m,p-Xylene	9.18	106	16715	1.931	ug/L	96
54) o-xylene	9.59	106	15939	1.838	ug/L	100
55) Styrene	9.60	104	23490	1.650	ug/L	95
56) Isopropylbenzene	9.97	105	39934	1.793	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	17621	2.357	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	14430	2.188	ug/L	99
61) Bromoform	9.77	173	7914	2.197	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	20359	2.199	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	21884	2.354	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	23113	2.452	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	2852	2.081	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	14181	2.148	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	11758	2.076	ug/L	96
69) Naphthalene	13.55	128	23206	1.487	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	11762	1.942	ug/L	97

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

