

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008393.D
 Acq On : 24 Oct 2018 15:26
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Oct 25 08:52:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 08:48:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	192133	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	173505	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75398	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45073	42.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.74%
7) Chloroethane-d5	1.57	69	37039	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.44%
11) 1,1-Dichloroethene-d2	2.13	63	67447	35.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.20%
21) 2-Butanone-d5	3.94	46	115535	99.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.93%
24) Chloroform-d	4.41	84	121297	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
26) 1,2-Dichloroethane-d4	5.09	65	84153	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
32) Benzene-d6	5.10	84	242945	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
36) 1,2-Dichloropropane-d6	6.12	67	83898	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.76%
41) Toluene-d8	7.36	98	217622	48.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.96%
43) trans-1,3-Dichloropropene-	7.67	79	40786	48.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.84%
47) 2-Hexanone-d5	8.13	63	90561	101.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.06%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	115047	49.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	75417	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3079	2.244 ug/L	98
3) Chloromethane	1.25	50	3258	2.217 ug/L	97
5) Vinyl chloride	1.32	62	2966	2.178 ug/L #	66
6) Bromomethane	1.52	94	1026	2.746 ug/L	91
8) Chloroethane	1.59	64	1476	2.063 ug/L	99
9) Trichlorofluoromethane	1.76	101	3882	2.215 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2441	2.666 ug/L	88
12) 1,1-Dichloroethene	2.14	96	2459	2.852 ug/L #	1
13) Acetone	2.20	43	4841	5.395 ug/L	97
14) Carbon disulfide	2.32	76	9280	2.390 ug/L #	93
15) Methyl Acetate	2.46	43	4518	2.525 ug/L	95
16) Methylene chloride	2.54	84	3635	2.435 ug/L	94
17) trans-1,2-Dichloroethene	2.80	96	3058	2.327 ug/L	94
18) Methyl tert-butyl Ether	2.81	73	10666	2.268 ug/L #	93
19) 1,1-Dichloroethane	3.23	63	5917	2.183 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	3336	2.228 ug/L	96
22) 2-Butanone	4.04	43	4670	3.603 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	1476	2.091	ug/L	95
25) Chloroform	4.44	83	6691	2.529	ug/L	99
27) 1,2-Dichloroethane	5.19	62	5256	2.378	ug/L	100
29) Cyclohexane	4.73	56	5908	2.339	ug/L #	89
30) 1,1,1-Trichloroethane	4.66	97	5218	2.319	ug/L	96
31) Carbon tetrachloride	4.88	117	4176	2.187	ug/L	91
33) Benzene	5.15	78	13315	2.348	ug/L	100
34) Trichloroethene	5.96	95	3383	2.330	ug/L	97
35) Methylcyclohexane	6.18	83	5562	2.253	ug/L	99
37) 1,2-Dichloropropane	6.23	63	3727	2.379	ug/L #	93
38) Bromodichloromethane	6.56	83	4422	2.215	ug/L	93
39) cis-1,3-Dichloropropene	7.07	75	5582	2.267	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	10373	4.472	ug/L	99
42) Toluene	7.44	91	13265	2.252	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	5356	2.325	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	3060	2.209	ug/L	95
46) Tetrachloroethene	8.02	164	2036	2.151	ug/L	94
48) 2-Hexanone	8.19	43	9290	5.191	ug/L	92
49) Dibromochloromethane	8.30	129	3183	2.139	ug/L	93
50) 1,2-Dibromoethane	8.41	107	3277	2.256	ug/L #	96
51) Chlorobenzene	8.93	112	7901	2.178	ug/L	98
52) Ethylbenzene	9.06	91	14793	2.242	ug/L	96
53) m,p-Xylene	9.19	106	5509	2.285	ug/L	94
54) o-xylene	9.59	106	5121	2.127	ug/L	95
55) Styrene	9.61	104	8826	2.176	ug/L	98
56) Isopropylbenzene	9.98	105	13480	2.140	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	5830	2.404	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	4634	2.361	ug/L	100
61) Bromoform	9.78	173	2054	2.159	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	5567	2.233	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	5982	2.394	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	5965	2.347	ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	1154	2.208	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	3263	2.005	ug/L	95
68) 1,2,4-trichlorobenzene	13.32	180	2100	1.595	ug/L	98
69) Naphthalene	13.56	128	5575	1.309	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	2023	1.537	ug/L	97

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

