

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082518\
 Data File : VU026358.D
 Acq On : 25 Aug 2018 10:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Aug 25 10:28:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	337733	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	335328	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	178722	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	109373	53.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.18%
7) Chloroethane-d5	1.68	69	88901	52.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.84%
11) 1,1-Dichloroethene-d2	2.27	63	203413	50.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.48%
21) 2-Butanone-d5	4.18	46	145449	88.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.47%
24) Chloroform-d	4.65	84	216255	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.31	65	144798	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
32) Benzene-d6	5.34	84	437239	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.48%
36) 1,2-Dichloropropane-d6	6.33	67	138025	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.84%
41) Toluene-d8	7.57	98	423244	49.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.72%
43) trans-1,3-Dichloropropene-	7.85	79	70572	47.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.84%
47) 2-Hexanone-d5	8.31	63	115650	93.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	197657	46.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	177809	46.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.78%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	114102	43.03	ug/L	99
3) Chloromethane	1.33	50	106950	43.74	ug/L	98
5) Vinyl chloride	1.40	62	107271	43.55	ug/L	98
6) Bromomethane	1.63	94	64493	42.11	ug/L	97
8) Chloroethane	1.70	64	62629	44.33	ug/L	99
9) Trichlorofluoromethane	1.89	101	161272	46.22	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	92119	47.58	ug/L	99
12) 1,1-Dichloroethene	2.28	96	82560	46.45	ug/L	98
13) Acetone	2.32	43	128839	101.26	ug/L	98
14) Carbon disulfide	2.48	76	277458	40.69	ug/L	100
15) Methyl Acetate	2.62	43	101877	41.60	ug/L	98
16) Methylene chloride	2.70	84	104661	43.75	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	93679	42.76	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	281593	42.90	ug/L	99
19) 1,1-Dichloroethane	3.45	63	175428	43.97	ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	105906	43.79	ug/L	94
22) 2-Butanone	4.26	43	150142	88.20	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	56839	43.95	ug/L	92
25) Chloroform	4.68	83	199300	46.79	ug/L	99
27) 1,2-Dichloroethane	5.41	62	147361	43.43	ug/L	99
29) Cyclohexane	5.00	56	141404	41.12	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	168257	43.19	ug/L	99
31) Carbon tetrachloride	5.14	117	156305	42.67	ug/L	100
33) Benzene	5.39	78	396831	43.41	ug/L	100
34) Trichloroethene	6.19	95	103551	42.84	ug/L	98
35) Methylcyclohexane	6.42	83	163874	44.33	ug/L	99
37) 1,2-Dichloropropane	6.44	63	105782	42.34	ug/L	100
38) Bromodichloromethane	6.76	83	143730	43.02	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	159480	42.02	ug/L	94
40) 4-Methyl-2-pentanone	7.46	43	251274	79.36	ug/L	99
42) Toluene	7.64	91	424550	43.65	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	156268	42.80	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	104027	44.08	ug/L	99
46) Tetrachloroethene	8.23	164	93425	44.91	ug/L	94
48) 2-Hexanone	8.36	43	213796	83.90	ug/L	98
49) Dibromochloromethane	8.48	129	125330	43.21	ug/L	97
50) 1,2-Dibromoethane	8.59	107	110994	42.61	ug/L	98
51) Chlorobenzene	9.12	112	284908	42.82	ug/L	98
52) Ethylbenzene	9.25	91	458769	43.30	ug/L	100
53) m,p-Xylene	9.38	106	182497	44.56	ug/L	98
54) o-xylene	9.78	106	174859	43.78	ug/L	95
55) Styrene	9.79	104	314205	46.08	ug/L	99
56) Isopropylbenzene	10.17	105	458256	44.22	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	170284	42.63	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	128170	41.15	ug/L	97
61) Bromoform	9.96	173	94524	42.69	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	225206	42.75	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	240863	43.27	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	243469	43.94	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	35469	38.32	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	185509	44.86	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	159042	44.06	ug/L	100
69) Naphthalene	13.74	128	459122	42.69	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	174194	45.29	ug/L	99

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

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