

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062918\
 Data File : VU025077.D
 Acq On : 29 Jun 2018 18:15
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Jun 29 23:43:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:41:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	344461	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	322314	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	166362	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93431	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.74%
7) Chloroethane-d5	1.68	69	78625	46.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.27	63	217984	48.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.06%
21) 2-Butanone-d5	4.18	46	190044	110.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.41%
24) Chloroform-d	4.65	84	219640	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.31	65	151453	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.86%
32) Benzene-d6	5.35	84	417496	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
36) 1,2-Dichloropropane-d6	6.34	67	132214	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.88%
41) Toluene-d8	7.57	98	403317	46.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.22%
43) trans-1,3-Dichloropropene-	7.85	79	66189	46.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.72%
47) 2-Hexanone-d5	8.31	63	139132	108.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.23%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	200726	50.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	173218	47.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.58%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	162126	51.80	ug/L	100
3) Chloromethane	1.33	50	133523	51.72	ug/L	99
5) Vinyl chloride	1.40	62	134991	50.53	ug/L	99
6) Bromomethane	1.62	94	76807	53.55	ug/L	97
8) Chloroethane	1.70	64	83098	51.61	ug/L	96
9) Trichlorofluoromethane	1.89	101	203463	52.15	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	117182	50.60	ug/L	100
12) 1,1-Dichloroethene	2.28	96	106610	50.46	ug/L	94
13) Acetone	2.32	43	166888	94.34	ug/L	100
14) Carbon disulfide	2.48	76	317809	49.81	ug/L	98
15) Methyl Acetate	2.62	43	153389	56.67	ug/L	98
16) Methylene chloride	2.70	84	129234	52.12	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	116946	51.12	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	414465	52.07	ug/L	99
19) 1,1-Dichloroethane	3.45	63	226106	51.93	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	136109	51.52	ug/L	99
22) 2-Butanone	4.26	43	228795	109.33	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	70192	51.68	ug/L	98
25) Chloroform	4.68	83	241726	52.00	ug/L	96
27) 1,2-Dichloroethane	5.41	62	201494	51.72	ug/L	97
29) Cyclohexane	5.00	56	205112	49.23	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	217758	50.58	ug/L	99
31) Carbon tetrachloride	5.14	117	194940	51.81	ug/L	100
33) Benzene	5.39	78	489390	50.06	ug/L	100
34) Trichloroethene	6.19	95	129842	49.93	ug/L	99
35) Methylcyclohexane	6.42	83	212365	48.94	ug/L	99
37) 1,2-Dichloropropane	6.44	63	133492	51.14	ug/L	100
38) Bromodichloromethane	6.76	83	178255	51.38	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	207229	50.13	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	420461	111.80	ug/L	98
42) Toluene	7.64	91	546447	51.44	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	198152	51.52	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	129963	52.17	ug/L	97
46) Tetrachloroethene	8.23	164	108230	49.17	ug/L	98
48) 2-Hexanone	8.36	43	333596	111.50	ug/L	98
49) Dibromochloromethane	8.48	129	151448	51.81	ug/L	99
50) 1,2-Dibromoethane	8.59	107	139778	50.73	ug/L	100
51) Chlorobenzene	9.12	112	359609	50.79	ug/L	100
52) Ethylbenzene	9.25	91	617954	51.72	ug/L	99
53) m,p-Xylene	9.38	106	236463	51.14	ug/L	98
54) o-xylene	9.78	106	239040	51.54	ug/L	99
55) Styrene	9.80	104	396784	52.20	ug/L	98
56) Isopropylbenzene	10.17	105	635525	52.17	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	221320	53.24	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	183640	54.26	ug/L	99
61) Bromoform	9.96	173	116384	53.29	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	284254	51.00	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	280901	50.10	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	302680	51.45	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	55099	56.60	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	212956	51.47	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	176146	50.92	ug/L	98
69) Naphthalene	13.74	128	609304	52.97	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	191016	51.41	ug/L	99

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

