

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080518\
 Data File : VU025862.D
 Acq On : 04 Aug 2018 10:01
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Aug 06 01:26:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 04 04:39:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	311078	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	300465	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161970	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78121	43.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.98%
7) Chloroethane-d5	1.68	69	65011	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.76%
11) 1,1-Dichloroethene-d2	2.27	63	168217	45.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.00%
21) 2-Butanone-d5	4.18	46	135661	98.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.95%
24) Chloroform-d	4.65	84	192181	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.16%
26) 1,2-Dichloroethane-d4	5.31	65	126183	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.46%
32) Benzene-d6	5.35	84	359559	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
36) 1,2-Dichloropropane-d6	6.33	67	115118	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.72%
41) Toluene-d8	7.57	98	349894	47.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.70%
43) trans-1,3-Dichloropropene-	7.85	79	59368	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.62%
47) 2-Hexanone-d5	8.31	63	99687	95.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	166973	48.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	150997	46.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	130093	42.44	ug/L	99
3) Chloromethane	1.33	50	103255	46.65	ug/L	98
5) Vinyl chloride	1.41	62	105465	43.44	ug/L	99
6) Bromomethane	1.63	94	52576	62.27	ug/L	92
8) Chloroethane	1.70	64	64814	45.34	ug/L	97
9) Trichlorofluoromethane	1.89	101	159621	46.17	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	92109	47.58	ug/L	99
12) 1,1-Dichloroethene	2.28	96	79579	45.33	ug/L	99
13) Acetone	2.32	43	152960	95.05	ug/L	98
14) Carbon disulfide	2.48	76	252288	44.13	ug/L	100
15) Methyl Acetate	2.62	43	109728	49.33	ug/L	99
16) Methylene chloride	2.70	84	102754	46.99	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	93517	46.27	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	309287	46.98	ug/L	99
19) 1,1-Dichloroethane	3.45	63	181129	47.11	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	107698	47.20	ug/L	96
22) 2-Butanone	4.26	43	170392	95.11	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	57549	47.79	ug/L	98
25) Chloroform	4.68	83	195589	48.34	ug/L	97
27) 1,2-Dichloroethane	5.41	62	159910	48.46	ug/L	99
29) Cyclohexane	5.00	56	146180	41.99	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	172149	45.79	ug/L	98
31) Carbon tetrachloride	5.14	117	156005	44.87	ug/L	98
33) Benzene	5.39	78	394229	45.66	ug/L	100
34) Trichloroethene	6.19	95	105508	46.06	ug/L	98
35) Methylcyclohexane	6.42	83	159223	43.11	ug/L	98
37) 1,2-Dichloropropane	6.44	63	109569	46.44	ug/L	100
38) Bromodichloromethane	6.76	83	148884	47.86	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	167151	45.65	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	297404	96.00	ug/L	99
42) Toluene	7.64	91	432288	46.43	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	164702	47.71	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	104167	46.03	ug/L	98
46) Tetrachloroethene	8.23	164	91645	46.15	ug/L	98
48) 2-Hexanone	8.36	43	242049	92.46	ug/L	100
49) Dibromochloromethane	8.48	129	124837	47.03	ug/L	99
50) 1,2-Dibromoethane	8.59	107	110851	45.47	ug/L	99
51) Chlorobenzene	9.12	112	289887	46.25	ug/L	100
52) Ethylbenzene	9.25	91	481980	46.90	ug/L	100
53) m,p-Xylene	9.38	106	189045	48.03	ug/L	97
54) o-xylene	9.78	106	184941	46.31	ug/L	97
55) Styrene	9.80	104	316709	48.69	ug/L	99
56) Isopropylbenzene	10.17	105	487506	47.30	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	170139	46.61	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	129029	46.56	ug/L	99
61) Bromoform	9.96	173	94448	45.08	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	236486	46.16	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	246538	47.14	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	247295	46.07	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	37674	44.63	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	183250	46.34	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	157162	47.28	ug/L	98
69) Naphthalene	13.74	128	445250	44.55	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	163599	46.56	ug/L	99

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

