

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082718\
 Data File : VU026399.D
 Acq On : 27 Aug 2018 15:39
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Aug 28 03:52:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 27 13:46:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	333417	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	325601	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	174981	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	97294	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.68%
7) Chloroethane-d5	1.68	69	82595	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.62%
11) 1,1-Dichloroethene-d2	2.27	63	190728	47.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.44%
21) 2-Butanone-d5	4.17	46	158045	97.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.37%
24) Chloroform-d	4.65	84	223387	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.56%
26) 1,2-Dichloroethane-d4	5.31	65	144523	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
32) Benzene-d6	5.34	84	427499	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
36) 1,2-Dichloropropane-d6	6.33	67	135077	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.60%
41) Toluene-d8	7.57	98	414141	49.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.48%
43) trans-1,3-Dichloropropene-	7.85	79	68548	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.88%
47) 2-Hexanone-d5	8.31	63	122619	102.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	196654	47.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	178557	48.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.18%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	115830	44.24	ug/L	99
3) Chloromethane	1.33	50	110528	45.79	ug/L	98
5) Vinyl chloride	1.40	62	106304	43.71	ug/L	100
6) Bromomethane	1.63	94	64858	42.89	ug/L	99
8) Chloroethane	1.70	64	64889	46.53	ug/L	99
9) Trichlorofluoromethane	1.89	101	166117	48.23	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	90179	47.18	ug/L	100
12) 1,1-Dichloroethene	2.28	96	79936	45.55	ug/L	96
13) Acetone	2.32	43	94733	75.41	ug/L	99
14) Carbon disulfide	2.48	76	284397	42.24	ug/L	100
15) Methyl Acetate	2.62	43	110447	45.69	ug/L	97
16) Methylene chloride	2.70	84	108903	46.12	ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	97155	44.92	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	298942	46.13	ug/L	99
19) 1,1-Dichloroethane	3.45	63	183138	46.49	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	111961	46.89	ug/L	98
22) 2-Butanone	4.26	43	146942	87.43	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	59749	46.79	ug/L	95
25) Chloroform	4.67	83	194705	46.30	ug/L	100
27) 1,2-Dichloroethane	5.41	62	151378	45.19	ug/L	99
29) Cyclohexane	5.00	56	147194	44.08	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	175947	46.51	ug/L	99
31) Carbon tetrachloride	5.14	117	162725	45.75	ug/L	100
33) Benzene	5.39	78	404866	45.61	ug/L	100
34) Trichloroethene	6.19	95	106613	45.42	ug/L	97
35) Methylcyclohexane	6.42	83	158935	44.28	ug/L	98
37) 1,2-Dichloropropane	6.43	63	111374	45.91	ug/L	100
38) Bromodichloromethane	6.76	83	148870	45.89	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	166391	45.15	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	270173	87.87	ug/L	98
42) Toluene	7.64	91	441680	46.76	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	163121	46.01	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	108201	47.21	ug/L	98
46) Tetrachloroethene	8.23	164	91969	45.54	ug/L	97
48) 2-Hexanone	8.36	43	215107	86.93	ug/L	97
49) Dibromochloromethane	8.48	129	130154	46.21	ug/L	100
50) 1,2-Dibromoethane	8.59	107	115431	45.64	ug/L	98
51) Chlorobenzene	9.12	112	290243	44.93	ug/L	100
52) Ethylbenzene	9.25	91	478405	46.50	ug/L	100
53) m,p-Xylene	9.38	106	186944	47.01	ug/L	96
54) o-xylene	9.78	106	181358	46.76	ug/L	98
55) Styrene	9.80	104	320220	48.37	ug/L	98
56) Isopropylbenzene	10.17	105	471823	46.89	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	176299	45.45	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	134045	44.32	ug/L	98
61) Bromoform	9.96	173	99382	45.85	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	232690	45.11	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	247341	45.38	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	248924	45.88	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	38708	42.71	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	181238	44.76	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	157744	44.63	ug/L	99
69) Naphthalene	13.74	128	481833	45.76	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	171791	45.62	ug/L	99

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

