

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\
 Data File : VU026092.D
 Acq On : 14 Aug 2018 10:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Aug 15 18:18:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 15 09:11:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	291154	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	277485	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146391	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82313	38.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.36%
7) Chloroethane-d5	1.67	69	71436	42.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.68%
11) 1,1-Dichloroethene-d2	2.27	63	170911	42.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.52%
21) 2-Butanone-d5	4.18	46	140191	79.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.04%
24) Chloroform-d	4.65	84	201842	44.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.44%
26) 1,2-Dichloroethane-d4	5.31	65	130927	42.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.90%
32) Benzene-d6	5.34	84	378586	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.33	67	122093	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.58%
41) Toluene-d8	7.57	98	360802	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%
43) trans-1,3-Dichloropropene-	7.85	79	61868	44.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.08%
47) 2-Hexanone-d5	8.31	63	102861	81.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	179254	43.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	156305	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	137925	54.37	ug/L	100
3) Chloromethane	1.33	50	121508	53.39	ug/L	98
5) Vinyl chloride	1.40	62	120421	54.83	ug/L	98
6) Bromomethane	1.62	94	69562	59.23	ug/L	99
8) Chloroethane	1.69	64	72067	54.61	ug/L	99
9) Trichlorofluoromethane	1.88	101	175342	55.80	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	99763	54.58	ug/L	97
12) 1,1-Dichloroethene	2.28	96	85995	51.16	ug/L	84
13) Acetone	2.32	43	146266	132.74	ug/L	98
14) Carbon disulfide	2.48	76	298839	54.04	ug/L	100
15) Methyl Acetate	2.61	43	113956	49.37	ug/L	98
16) Methylene chloride	2.70	84	115812	53.97	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	104898	56.01	ug/L	94
18) Methyl tert-butyl Ether	3.00	73	335428	54.50	ug/L	99
19) 1,1-Dichloroethane	3.45	63	201933	55.59	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	118904	55.17	ug/L	95
22) 2-Butanone	4.26	43	183429	115.05	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	64689	56.36	ug/L	99
25) Chloroform	4.67	83	208558	55.13	ug/L	97
27) 1,2-Dichloroethane	5.41	62	167988	53.77	ug/L	98
29) Cyclohexane	5.00	56	169733	54.73	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	190590	54.44	ug/L	99
31) Carbon tetrachloride	5.14	117	175977	55.04	ug/L	97
33) Benzene	5.39	78	437619	55.37	ug/L	100
34) Trichloroethene	6.19	95	113094	54.77	ug/L	98
35) Methylcyclohexane	6.42	83	184915	58.65	ug/L	99
37) 1,2-Dichloropropane	6.44	63	120700	55.81	ug/L	100
38) Bromodichloromethane	6.76	83	162458	56.39	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	180681	55.13	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	302362	101.76	ug/L	99
42) Toluene	7.64	91	476898	56.85	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	176477	56.57	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	114101	55.34	ug/L	97
46) Tetrachloroethene	8.23	164	100118	56.98	ug/L	98
48) 2-Hexanone	8.36	43	254982	110.15	ug/L	99
49) Dibromochloromethane	8.48	129	141270	56.82	ug/L	100
50) 1,2-Dibromoethane	8.59	107	122558	54.58	ug/L	100
51) Chlorobenzene	9.12	112	316119	55.89	ug/L	100
52) Ethylbenzene	9.25	91	521905	56.86	ug/L	99
53) m,p-Xylene	9.38	106	204462	58.29	ug/L	98
54) o-xylene	9.78	106	202397	58.14	ug/L	99
55) Styrene	9.80	104	345537	59.62	ug/L	99
56) Isopropylbenzene	10.17	105	524640	58.50	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	189925	54.20	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	147993	53.06	ug/L	98
61) Bromoform	9.96	173	104634	52.79	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	250913	55.06	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	255984	53.58	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	266421	54.92	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	41390	48.61	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	192031	56.38	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	152635	52.99	ug/L	98
69) Naphthalene	13.74	128	447070	48.11	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	165827	53.56	ug/L	100

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

