

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083118\
 Data File : VU026486.D
 Acq On : 31 Aug 2018 09:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Aug 31 09:47:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 02:20:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	135858	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	128587	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	61573	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	30432	36.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.30%
7) Chloroethane-d5	1.68	69	32425	42.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.30%
11) 1,1-Dichloroethene-d2	2.27	63	73500	38.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.54%
21) 2-Butanone-d5	4.18	46	69716	106.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.71%
24) Chloroform-d	4.65	84	80177	50.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.86%
26) 1,2-Dichloroethane-d4	5.31	65	54236	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.48%
32) Benzene-d6	5.34	84	148872	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
36) 1,2-Dichloropropane-d6	6.33	67	52878	51.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.88%
41) Toluene-d8	7.57	98	139615	48.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.85	79	22193	47.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.46%
47) 2-Hexanone-d5	8.31	63	52199	111.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.79%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	77854	51.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	57365	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	44226	41.75	ug/L	98
3) Chloromethane	1.33	50	65191	49.84	ug/L	99
5) Vinyl chloride	1.40	62	63460	44.75	ug/L	99
6) Bromomethane	1.62	94	43272	51.47	ug/L	100
8) Chloroethane	1.70	64	42292	49.67	ug/L	99
9) Trichlorofluoromethane	1.89	101	75947	42.12	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	41891	41.64	ug/L	98
12) 1,1-Dichloroethene	2.28	96	42372	43.69	ug/L	93
13) Acetone	2.32	43	55113	97.42	ug/L	100
14) Carbon disulfide	2.48	76	124823	45.48	ug/L	100
15) Methyl Acetate	2.61	43	60924	54.85	ug/L	99
16) Methylene chloride	2.70	84	54574	54.74	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	45233	51.57	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	156997	58.96	ug/L	99
19) 1,1-Dichloroethane	3.45	63	92064	53.42	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	54469	55.43	ug/L	98
22) 2-Butanone	4.26	43	82699	108.76	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	29033	57.35	ug/L	94
25) Chloroform	4.67	83	95413	54.21	ug/L	100
27) 1,2-Dichloroethane	5.41	62	80104	56.43	ug/L	99
29) Cyclohexane	5.00	56	63838	45.56	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	71341	50.42	ug/L	99
31) Carbon tetrachloride	5.14	117	61868	48.12	ug/L	100
33) Benzene	5.39	78	201347	54.62	ug/L	100
34) Trichloroethene	6.19	95	47635	51.52	ug/L	99
35) Methylcyclohexane	6.42	83	66326	45.94	ug/L	99
37) 1,2-Dichloropropane	6.44	63	58396	57.22	ug/L	99
38) Bromodichloromethane	6.76	83	72563	55.76	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	76440	52.57	ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	156698	113.85	ug/L	98
42) Toluene	7.64	91	204811	53.24	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	72094	52.02	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	54088	57.85	ug/L	99
46) Tetrachloroethene	8.23	164	38164	50.48	ug/L	97
48) 2-Hexanone	8.36	43	122939	113.41	ug/L	98
49) Dibromochloromethane	8.48	129	60253	57.20	ug/L	99
50) 1,2-Dibromoethane	8.59	107	57099	57.35	ug/L	95
51) Chlorobenzene	9.12	112	132447	51.49	ug/L	97
52) Ethylbenzene	9.25	91	208568	49.85	ug/L	100
53) m,p-Xylene	9.38	106	80463	51.51	ug/L	98
54) o-xylene	9.78	106	82065	53.87	ug/L	94
55) Styrene	9.79	104	141629	53.22	ug/L	99
56) Isopropylbenzene	10.17	105	195536	49.04	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	91419	55.51	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	71678	56.29	ug/L	100
61) Bromoform	9.96	173	46721	61.48	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	96241	53.41	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	98881	51.89	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	105118	55.31	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	18996	59.45	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	75206	51.72	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	66371	52.26	ug/L	99
69) Naphthalene	13.74	128	234304	59.09	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	76210	54.65	ug/L	99

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

