

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026287.D
 Acq On : 23 Aug 2018 10:21
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Aug 24 01:11:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	281943	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	275084	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	147310	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70539	41.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.04%
7) Chloroethane-d5	1.68	69	63810	45.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.27	63	157563	46.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.24%
21) 2-Butanone-d5	4.18	46	142531	103.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.85%
24) Chloroform-d	4.65	84	188268	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	5.31	65	120434	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
32) Benzene-d6	5.34	84	351655	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
36) 1,2-Dichloropropane-d6	6.33	67	113496	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.06%
41) Toluene-d8	7.57	98	334316	47.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.06%
43) trans-1,3-Dichloropropene-	7.85	79	58792	48.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.32%
47) 2-Hexanone-d5	8.31	63	103289	102.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	172937	49.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	148187	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	122363	55.27	ug/L	100
3) Chloromethane	1.33	50	114592	56.14	ug/L	98
5) Vinyl chloride	1.40	62	112906	54.90	ug/L	96
6) Bromomethane	1.62	94	74330	58.13	ug/L	96
8) Chloroethane	1.70	64	66641	56.51	ug/L	100
9) Trichlorofluoromethane	1.89	101	163408	56.10	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	94942	58.74	ug/L	99
12) 1,1-Dichloroethene	2.28	96	86524	58.31	ug/L	89
13) Acetone	2.32	43	129589	122.00	ug/L	100
14) Carbon disulfide	2.48	76	303194	53.26	ug/L	99
15) Methyl Acetate	2.62	43	112198	54.88	ug/L	100
16) Methylene chloride	2.70	84	111244	55.71	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	101942	55.73	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	310794	56.72	ug/L	99
19) 1,1-Dichloroethane	3.45	63	187327	56.24	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	111434	55.19	ug/L	99
22) 2-Butanone	4.26	43	164744	115.92	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	61572	57.02	ug/L	94
25) Chloroform	4.67	83	199629	56.14	ug/L	99
27) 1,2-Dichloroethane	5.41	62	158484	55.95	ug/L	100
29) Cyclohexane	5.00	56	160899	57.03	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	178911	55.98	ug/L	99
31) Carbon tetrachloride	5.14	117	160357	53.37	ug/L	97
33) Benzene	5.39	78	418623	55.82	ug/L	100
34) Trichloroethene	6.19	95	109749	55.34	ug/L	99
35) Methylcyclohexane	6.42	83	177209	58.44	ug/L	99
37) 1,2-Dichloropropane	6.44	63	115417	56.31	ug/L	99
38) Bromodichloromethane	6.76	83	152809	55.76	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	178092	57.21	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	283825	109.27	ug/L	100
42) Toluene	7.64	91	457730	57.36	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	168722	56.33	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	107161	55.35	ug/L	98
46) Tetrachloroethene	8.23	164	96375	56.48	ug/L	94
48) 2-Hexanone	8.36	43	235418	112.61	ug/L	99
49) Dibromochloromethane	8.48	129	132166	55.54	ug/L	99
50) 1,2-Dibromoethane	8.59	107	116416	54.48	ug/L	100
51) Chlorobenzene	9.12	112	298809	54.75	ug/L	99
52) Ethylbenzene	9.25	91	499294	57.45	ug/L	100
53) m,p-Xylene	9.38	106	197360	58.75	ug/L	96
54) o-xylene	9.78	106	187393	57.19	ug/L	99
55) Styrene	9.80	104	331758	59.31	ug/L	96
56) Isopropylbenzene	10.17	105	500385	58.86	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	179347	54.73	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	137273	53.72	ug/L	99
61) Bromoform	9.96	173	99476	54.51	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	240382	55.36	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	254060	55.37	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	250734	54.90	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	39552	51.84	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	193683	56.82	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	166388	55.92	ug/L	99
69) Naphthalene	13.74	128	512039	57.76	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	177953	56.13	ug/L	98

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

