

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081618\
 Data File : VU026178.D
 Acq On : 16 Aug 2018 16:10
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05069

Quant Time: Aug 16 16:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 16:15:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	256215	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	247140	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	126731	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64791	43.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.14%
7) Chloroethane-d5	1.67	69	60762	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.26%
11) 1,1-Dichloroethene-d2	2.27	63	136120	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
21) 2-Butanone-d5	4.18	46	127932	110.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.82%
24) Chloroform-d	4.65	84	177992	52.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.64%
26) 1,2-Dichloroethane-d4	5.31	65	120820	54.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.56%
32) Benzene-d6	5.34	84	332985	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
36) 1,2-Dichloropropane-d6	6.33	67	110186	52.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.20%
41) Toluene-d8	7.57	98	316044	51.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.64%
43) trans-1,3-Dichloropropene-	7.85	79	55606	56.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.12%
47) 2-Hexanone-d5	8.31	63	97970	114.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	163483	55.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	138550	52.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.08%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	101066	49.82	ug/L	100
3) Chloromethane	1.33	50	99469	53.85	ug/L	99
5) Vinyl chloride	1.40	62	91930	49.84	ug/L	99
6) Bromomethane	1.61	94	54240	57.07	ug/L	96
8) Chloroethane	1.69	64	58184	52.69	ug/L	95
9) Trichlorofluoromethane	1.88	101	132278	48.57	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	73608	49.88	ug/L	98
12) 1,1-Dichloroethene	2.28	96	65026	48.02	ug/L	94
13) Acetone	2.32	43	89721	84.93	ug/L	100
14) Carbon disulfide	2.47	76	227478	48.45	ug/L	100
15) Methyl Acetate	2.62	43	104141	56.82	ug/L	100
16) Methylene chloride	2.70	84	102814	56.68	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	84386	52.54	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	294304	57.72	ug/L	98
19) 1,1-Dichloroethane	3.45	63	166580	53.87	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	99407	55.20	ug/L	96
22) 2-Butanone	4.26	43	139765	106.19	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	55182	56.68	ug/L	96
25) Chloroform	4.67	83	180876	55.72	ug/L	96
27) 1,2-Dichloroethane	5.41	62	144951	55.23	ug/L	100
29) Cyclohexane	5.00	56	122906	49.77	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	149046	50.48	ug/L	99
31) Carbon tetrachloride	5.14	117	133668	49.97	ug/L	100
33) Benzene	5.39	78	361925	54.08	ug/L	100
34) Trichloroethene	6.19	95	90108	51.69	ug/L	97
35) Methylcyclohexane	6.42	83	132779	50.74	ug/L	98
37) 1,2-Dichloropropane	6.44	63	104440	55.88	ug/L	99
38) Bromodichloromethane	6.76	83	136764	55.27	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	156141	56.28	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	264054	113.89	ug/L	99
42) Toluene	7.64	91	388115	54.61	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	147367	55.13	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	99158	55.96	ug/L	99
46) Tetrachloroethene	8.23	164	76621	50.96	ug/L	99
48) 2-Hexanone	8.36	43	206714	113.80	ug/L	99
49) Dibromochloromethane	8.48	129	120514	56.47	ug/L	98
50) 1,2-Dibromoethane	8.59	107	105919	57.56	ug/L	98
51) Chlorobenzene	9.12	112	261752	53.89	ug/L	100
52) Ethylbenzene	9.25	91	411526	53.16	ug/L	99
53) m,p-Xylene	9.38	106	163151	54.69	ug/L	98
54) o-xylene	9.78	106	163038	54.77	ug/L	99
55) Styrene	9.80	104	284049	57.31	ug/L	96
56) Isopropylbenzene	10.17	105	412623	53.99	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	169085	57.14	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	132180	57.41	ug/L	100
61) Bromoform	9.96	173	90059	54.35	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	200315	52.75	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	206203	52.65	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	220688	54.37	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	35690	55.46	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	153052	54.57	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	122592	57.70	ug/L	99
69) Naphthalene	13.74	128	380015	62.85	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	135061	59.28	ug/L	99

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

