

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080719\
 Data File : VU033613.D
 Acq On : 07 Aug 2019 09:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Aug 08 03:10:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 07 18:50:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	302057	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	303775	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	163785	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	83917	43.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.94%
7) Chloroethane-d5	1.68	69	86739	40.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.62%
11) 1,1-Dichloroethene-d2	2.26	63	172610	46.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.36%
21) 2-Butanone-d5	4.16	46	164793	105.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.38%
24) Chloroform-d	4.62	84	179167	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
26) 1,2-Dichloroethane-d4	5.29	65	113112	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
32) Benzene-d6	5.32	84	341877	46.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.04%
36) 1,2-Dichloropropane-d6	6.31	67	111611	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.88%
41) Toluene-d8	7.55	98	318196	46.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.06%
43) trans-1,3-Dichloropropene-	7.83	79	55218	46.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.38%
47) 2-Hexanone-d5	8.30	63	113989	98.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.03%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	186388	51.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.44%
64) 1,2-Dichlorobenzene-d4	11.85	152	140089	47.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	142100	55.013	ug/L 99
3) Chloromethane	1.32	50	146996	52.510	ug/L 99
5) Vinyl chloride	1.40	62	159135	51.955	ug/L 98
6) Bromomethane	1.62	94	89006	36.378	ug/L 96
8) Chloroethane	1.69	64	115916	48.126	ug/L 98
9) Trichlorofluoromethane	1.87	101	230833	57.786	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	112500	55.451	ug/L 98
12) 1,1-Dichloroethene	2.27	96	104150	52.792	ug/L 96
13) Acetone	2.33	43	186756	119.897	ug/L 98
14) Carbon disulfide	2.46	76	324643	53.087	ug/L 100
15) Methyl Acetate	2.61	43	133562	52.515	ug/L 99
16) Methylene chloride	2.68	84	124711	54.183	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	110720	52.605	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	341707	52.425	ug/L 99
19) 1,1-Dichloroethane	3.42	63	212189	53.561	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	124301	53.543	ug/L 100
22) 2-Butanone	4.25	43	216000	110.402	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	66500	54.778	ug/L	99
25) Chloroform	4.65	83	229804	56.139	ug/L	99
27) 1,2-Dichloroethane	5.38	62	175549	54.892	ug/L	98
29) Cyclohexane	4.97	56	179264	51.815	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	189598	53.355	ug/L	98
31) Carbon tetrachloride	5.11	117	170591	54.690	ug/L	100
33) Benzene	5.37	78	476376	52.679	ug/L	100
34) Trichloroethene	6.17	95	124279	53.357	ug/L	99
35) Methylcyclohexane	6.40	83	195745	53.385	ug/L	99
37) 1,2-Dichloropropane	6.41	63	130120	52.684	ug/L	99
38) Bromodichloromethane	6.74	83	167898	53.933	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	196345	52.277	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	360303	101.943	ug/L	100
42) Toluene	7.62	91	526362	54.481	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	181336	53.656	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	122396	52.965	ug/L	98
46) Tetrachloroethene	8.21	164	104325	54.592	ug/L	97
48) 2-Hexanone	8.35	43	302826	107.291	ug/L	99
49) Dibromochloromethane	8.46	129	140947	54.270	ug/L	100
50) 1,2-Dibromoethane	8.57	107	136552	53.951	ug/L	98
51) Chlorobenzene	9.10	112	335182	53.131	ug/L	99
52) Ethylbenzene	9.23	91	562565	53.706	ug/L	99
53) m,p-Xylene	9.36	106	216702	54.324	ug/L	99
54) o-xylene	9.76	106	216428	55.389	ug/L	98
55) Styrene	9.77	104	370763	55.881	ug/L	100
56) Isopropylbenzene	10.15	105	550310	54.593	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	214237	51.846	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	170373	52.669	ug/L	99
61) Bromoform	9.94	173	107486	52.711	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	276440	53.797	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	278919	53.132	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	278983	54.435	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	50169	51.943	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	211108	53.360	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	176260	52.227	ug/L	99
69) Naphthalene	13.73	128	525847	53.614	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	186623	51.984	ug/L	99

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

