

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072919\
 Data File : VU033479.D
 Acq On : 29 Jul 2019 20:01
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: Jul 30 04:18:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 30 04:12:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	311412	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	319573	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	168134	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122035	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.32%
7) Chloroethane-d5	1.67	69	106634	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.28%
11) 1,1-Dichloroethene-d2	2.26	63	224367	43.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.78%
21) 2-Butanone-d5	4.15	46	150328	92.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.78%
24) Chloroform-d	4.62	84	194079	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.72%
26) 1,2-Dichloroethane-d4	5.29	65	125285	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
32) Benzene-d6	5.32	84	397643	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
36) 1,2-Dichloropropane-d6	6.31	67	124149	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.30%
41) Toluene-d8	7.55	98	374955	46.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.98%
43) trans-1,3-Dichloropropene-	7.83	79	59698	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.82%
47) 2-Hexanone-d5	8.30	63	110142	99.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.64%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	193006	47.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.52%
66) 1,2-Dichlorobenzene-d4	11.85	152	151524	46.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	145945	46.972	ug/L 100
3) Chloromethane	1.32	50	143140	46.143	ug/L 100
5) Vinyl chloride	1.40	62	167842	47.312	ug/L 100
6) Bromomethane	1.61	94	101834	41.072	ug/L 100
8) Chloroethane	1.68	64	102465	47.086	ug/L 97
9) Trichlorofluoromethane	1.87	101	222106	47.734	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	107150	45.826	ug/L 99
12) 1,1-Dichloroethene	2.27	96	103941	45.622	ug/L 95
13) Acetone	2.31	43	125701	78.277	ug/L 99
14) Carbon disulfide	2.46	76	309980	45.666	ug/L 100
15) Methyl Acetate	2.60	43	123374	47.907	ug/L 100
16) Methylene chloride	2.68	84	119285	47.656	ug/L 98
17) trans-1,2-Dichloroethene	2.96	96	104754	46.288	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	323750	48.479	ug/L 99
19) 1,1-Dichloroethane	3.42	63	204397	47.970	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	119796	47.961	ug/L 96
22) 2-Butanone	4.23	43	179595	94.124	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	62646	47.222	ug/L	98
25) Chloroform	4.65	83	219704	48.632	ug/L	100
27) 1,2-Dichloroethane	5.38	62	167059	47.619	ug/L	100
29) Cyclohexane	4.97	56	168445	47.977	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	180741	47.500	ug/L	99
31) Carbon tetrachloride	5.11	117	159214	47.005	ug/L	100
33) Benzene	5.37	78	462014	48.369	ug/L	100
34) Trichloroethene	6.16	95	116138	46.667	ug/L	99
35) Methylcyclohexane	6.40	83	175518	46.382	ug/L	99
37) 1,2-Dichloropropane	6.41	63	122852	47.821	ug/L	99
38) Bromodichloromethane	6.74	83	159975	47.304	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	187132	48.849	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	334722	98.866	ug/L	99
42) Toluene	7.62	91	508230	49.443	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	167672	48.223	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	118591	48.401	ug/L	99
46) Tetrachloroethene	8.21	164	95220	47.017	ug/L	97
48) 2-Hexanone	8.34	43	273020	98.985	ug/L	99
49) Dibromochloromethane	8.46	129	131741	48.021	ug/L	98
50) 1,2-Dibromoethane	8.57	107	126521	47.599	ug/L	100
51) Chlorobenzene	9.10	112	321183	47.027	ug/L	99
52) Ethylbenzene	9.23	91	541872	48.630	ug/L	99
53) m,p-Xylene	9.36	106	211433	50.459	ug/L	100
54) o-xylene	9.76	106	209703	51.043	ug/L	95
55) Styrene	9.77	104	354023	50.780	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	208698	47.912	ug/L	100
59) Bromoform	9.94	173	97468	46.342	ug/L	99
60) 1,2,3-Trichloropropane	10.48	75	162218	47.357	ug/L	100
61) Isopropylbenzene	10.15	105	532019	49.402	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	443654	50.843	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	448442	51.819	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	256992	46.817	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	261215	46.063	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	259040	47.100	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	46274	48.590	ug/L	95
69) 1,3,5-Trichlorobenzene	12.87	180	190616	45.734	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	163231	46.923	ug/L	99
71) Naphthalene	13.73	128	492963	49.009	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	173977	47.745	ug/L	99

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

