

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032119\
 Data File : VU030267.D
 Acq On : 21 Mar 2019 15:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Mar 22 04:08:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 04:03:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	543228	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	527569	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	267255	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	173110	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.26%
7) Chloroethane-d5	1.68	69	142944	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.34%
11) 1,1-Dichloroethene-d2	2.27	63	318586	47.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.08%
21) 2-Butanone-d5	4.17	46	283928	104.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.19%
24) Chloroform-d	4.65	84	331260	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	5.31	65	187561	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
32) Benzene-d6	5.34	84	695232	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
36) 1,2-Dichloropropane-d6	6.33	67	216914	50.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.86%
41) Toluene-d8	7.56	98	647174	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%
43) trans-1,3-Dichloropropene-	7.85	79	103451	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
47) 2-Hexanone-d5	8.31	63	228046	102.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	331437	50.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	269661	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	222030	48.275	ug/L 100
3) Chloromethane	1.33	50	216177	48.558	ug/L 98
5) Vinyl chloride	1.40	62	230583	48.792	ug/L 100
6) Bromomethane	1.62	94	124317	48.609	ug/L 99
8) Chloroethane	1.70	64	134277	48.057	ug/L 96
9) Trichlorofluoromethane	1.88	101	298485	49.734	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	181247	49.665	ug/L 100
12) 1,1-Dichloroethene	2.28	96	178067	49.133	ug/L 98
13) Acetone	2.32	43	228341	80.190	ug/L 99
14) Carbon disulfide	2.48	76	506819	46.821	ug/L 100
15) Methyl Acetate	2.61	43	203475	49.139	ug/L 99
16) Methylene chloride	2.70	84	204575	49.771	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	187887	49.193	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	560134	50.983	ug/L 99
19) 1,1-Dichloroethane	3.44	63	329964	50.228	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	210486	50.300	ug/L 99
22) 2-Butanone	4.26	43	316611	94.606	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	109953	49.094	ug/L	99
25) Chloroform	4.67	83	340043	49.685	ug/L	98
27) 1,2-Dichloroethane	5.40	62	239670	49.406	ug/L	99
29) Cyclohexane	4.99	56	293983	51.286	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	286655	50.417	ug/L	99
31) Carbon tetrachloride	5.13	117	252221	50.109	ug/L	98
33) Benzene	5.39	78	769336	50.544	ug/L	100
34) Trichloroethene	6.18	95	202115	50.379	ug/L	98
35) Methylcyclohexane	6.41	83	322830	51.317	ug/L	99
37) 1,2-Dichloropropane	6.43	63	199030	51.056	ug/L	99
38) Bromodichloromethane	6.75	83	252655	50.409	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	317431	50.753	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	529309	98.797	ug/L	99
42) Toluene	7.63	91	856167	51.678	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	277998	51.367	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	201454	50.344	ug/L	99
46) Tetrachloroethene	8.22	164	181163	53.446	ug/L	99
48) 2-Hexanone	8.36	43	423116	95.153	ug/L	98
49) Dibromochloromethane	8.47	129	221850	49.441	ug/L	99
50) 1,2-Dibromoethane	8.58	107	221356	49.896	ug/L	98
51) Chlorobenzene	9.12	112	548333	50.027	ug/L	100
52) Ethylbenzene	9.25	91	913629	50.780	ug/L	99
53) m,p-Xylene	9.37	106	358086	51.659	ug/L	100
54) o-xylene	9.77	106	356022	52.248	ug/L	98
55) Styrene	9.79	104	600852	52.044	ug/L	100
56) Isopropylbenzene	10.16	105	899763	51.074	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	342507	50.196	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	256894	48.759	ug/L	99
61) Bromoform	9.95	173	174700	50.619	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	429919	50.420	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	436462	49.349	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	439388	50.437	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	69904	47.994	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	336937	50.562	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	295687	50.176	ug/L	98
69) Naphthalene	13.74	128	868656	46.461	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	303229	49.314	ug/L	99

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

