

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031719\
 Data File : VU030157.D
 Acq On : 16 Mar 2019 19:58
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Mar 18 09:21:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 18 04:23:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	561504	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	554225	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	284173	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	158364	42.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.28%
7) Chloroethane-d5	1.68	69	131939	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.02%
11) 1,1-Dichloroethene-d2	2.27	63	293277	43.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.50%
21) 2-Butanone-d5	4.17	46	289389	104.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.00%
24) Chloroform-d	4.64	84	318258	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
26) 1,2-Dichloroethane-d4	5.31	65	180934	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
32) Benzene-d6	5.34	84	645902	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.54%
36) 1,2-Dichloropropane-d6	6.33	67	203740	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.32%
41) Toluene-d8	7.56	98	592546	44.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.72%
43) trans-1,3-Dichloropropene-	7.85	79	96131	45.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.90%
47) 2-Hexanone-d5	8.31	63	239542	98.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	324049	48.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	250782	45.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	155654	43.872	ug/L 97
3) Chloromethane	1.33	50	176439	45.076	ug/L 98
5) Vinyl chloride	1.40	62	195366	45.532	ug/L 99
6) Bromomethane	1.62	94	111288	41.869	ug/L 96
8) Chloroethane	1.69	64	120992	43.023	ug/L 98
9) Trichlorofluoromethane	1.88	101	261752	45.487	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	165941	44.984	ug/L 100
12) 1,1-Dichloroethene	2.28	96	161493	45.887	ug/L 93
13) Acetone	2.32	43	184332	56.655	ug/L 100
14) Carbon disulfide	2.48	76	441504	40.475	ug/L 99
15) Methyl Acetate	2.61	43	208596	49.624	ug/L 98
16) Methylene chloride	2.70	84	192944	46.429	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	170926	44.597	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	541082	47.601	ug/L 99
19) 1,1-Dichloroethane	3.44	63	320471	48.700	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	205484	47.095	ug/L 100
22) 2-Butanone	4.26	43	297545	80.330	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	105164	46.530	ug/L	99
25) Chloroform	4.67	83	332471	48.138	ug/L	98
27) 1,2-Dichloroethane	5.40	62	237076	47.744	ug/L	100
29) Cyclohexane	4.99	56	262160	42.887	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	278817	46.082	ug/L	100
31) Carbon tetrachloride	5.13	117	239798	44.883	ug/L	100
33) Benzene	5.39	78	741370	46.746	ug/L	100
34) Trichloroethene	6.18	95	187992	45.228	ug/L	98
35) Methylcyclohexane	6.41	83	289099	42.891	ug/L	99
37) 1,2-Dichloropropane	6.43	63	202627	48.573	ug/L	100
38) Bromodichloromethane	6.76	83	246001	47.422	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	297376	45.808	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	538395	95.584	ug/L	99
42) Toluene	7.63	91	803522	46.600	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	272753	46.016	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	200918	48.160	ug/L	99
46) Tetrachloroethene	8.22	164	160276	44.062	ug/L	99
48) 2-Hexanone	8.36	43	423654	88.164	ug/L	99
49) Dibromochloromethane	8.47	129	219140	47.014	ug/L	100
50) 1,2-Dibromoethane	8.58	107	215642	46.894	ug/L	95
51) Chlorobenzene	9.12	112	532735	45.827	ug/L	100
52) Ethylbenzene	9.25	91	877504	46.228	ug/L	99
53) m,p-Xylene	9.37	106	342416	46.624	ug/L	96
54) o-xylene	9.77	106	337382	46.770	ug/L	96
55) Styrene	9.79	104	582674	47.437	ug/L	99
56) Isopropylbenzene	10.16	105	883574	46.787	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	345192	48.208	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	258832	47.642	ug/L	100
61) Bromoform	9.95	173	171226	48.407	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	423229	46.117	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	432544	46.352	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	443405	48.000	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	72682	48.418	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	323626	45.433	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	286365	43.950	ug/L	98
69) Naphthalene	13.74	128	952297	44.984	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	306923	45.344	ug/L	99

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

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