

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032519\
 Data File : VU030403.D
 Acq On : 25 Mar 2019 15:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: Mar 26 01:16:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 25 05:48:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	461737	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	448400	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	207410	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	195798	52.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.38%
7) Chloroethane-d5	1.67	69	150608	51.13	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.26%
11) 1,1-Dichloroethene-d2	2.27	63	362596	51.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.88%
21) 2-Butanone-d5	4.17	46	355673	101.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.82%
24) Chloroform-d	4.64	84	327419	51.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.28%
26) 1,2-Dichloroethane-d4	5.31	65	206415	49.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.54%
32) Benzene-d6	5.33	84	646150	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
36) 1,2-Dichloropropane-d6	6.32	67	224371	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.00%
41) Toluene-d8	7.56	98	581802	50.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.76%
43) trans-1,3-Dichloropropene-	7.85	79	101816	49.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.44%
47) 2-Hexanone-d5	8.31	63	247261	103.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	315885	50.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	208632	50.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	267029	52.415	ug/L 100
3) Chloromethane	1.33	50	303351	53.240	ug/L 100
5) Vinyl chloride	1.40	62	278357	51.519	ug/L 99
6) Bromomethane	1.61	94	125118	50.479	ug/L 99
8) Chloroethane	1.68	64	154763	50.737	ug/L 99
9) Trichlorofluoromethane	1.88	101	314186	53.324	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	177747	52.745	ug/L 99
12) 1,1-Dichloroethene	2.28	96	169450	51.293	ug/L 94
13) Acetone	2.32	43	398748	112.874	ug/L 100
14) Carbon disulfide	2.47	76	548964	50.257	ug/L 99
15) Methyl Acetate	2.61	43	281388	52.019	ug/L # 100
16) Methylene chloride	2.70	84	202019	51.873	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	176985	51.065	ug/L 95
18) Methyl tert-butyl Ether	3.00	73	611950	53.391	ug/L 99
19) 1,1-Dichloroethane	3.44	63	375225	52.769	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	199707	51.378	ug/L 96
22) 2-Butanone	4.26	43	470112	110.096	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	94223	52.153	ug/L	94
25) Chloroform	4.67	83	355184	52.536	ug/L	97
27) 1,2-Dichloroethane	5.40	62	281282	53.021	ug/L	99
29) Cyclohexane	4.99	56	371475	54.744	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	289128	52.660	ug/L	98
31) Carbon tetrachloride	5.13	117	242729	52.158	ug/L	98
33) Benzene	5.39	78	811875	53.189	ug/L	100
34) Trichloroethene	6.18	95	192488	51.298	ug/L	99
35) Methylcyclohexane	6.41	83	330213	53.478	ug/L	99
37) 1,2-Dichloropropane	6.43	63	222646	51.399	ug/L	99
38) Bromodichloromethane	6.75	83	263078	51.113	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	332552	53.411	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	755348	103.813	ug/L	99
42) Toluene	7.63	91	836633	52.813	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	295112	53.868	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	190930	52.166	ug/L	98
46) Tetrachloroethene	8.22	164	139617	53.271	ug/L	95
48) 2-Hexanone	8.36	43	633742	106.273	ug/L	97
49) Dibromochloromethane	8.47	129	199860	52.552	ug/L	98
50) 1,2-Dibromoethane	8.58	107	204752	52.126	ug/L	100
51) Chlorobenzene	9.12	112	508999	53.016	ug/L	99
52) Ethylbenzene	9.24	91	907506	52.883	ug/L	100
53) m,p-Xylene	9.37	106	327924	52.923	ug/L	100
54) o-xylene	9.77	106	328836	54.390	ug/L	96
55) Styrene	9.79	104	557028	53.485	ug/L	100
56) Isopropylbenzene	10.16	105	869413	54.309	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	353244	52.367	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	273724	51.915	ug/L	100
61) Bromoform	9.95	173	146076	52.971	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	357570	52.717	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	368351	52.751	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	372956	54.378	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	78770	51.580	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	265033	52.194	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	223572	50.674	ug/L	100
69) Naphthalene	13.74	128	707043	45.068	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	232339	49.870	ug/L	98

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

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