

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030510.D
 Acq On : 28 Mar 2019 01:48
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Quant Time: Mar 28 02:52:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 02:45:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	389304	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	370094	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	169457	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	154088	49.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.36%
7) Chloroethane-d5	1.67	69	127810	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.94%
11) 1,1-Dichloroethene-d2	2.27	63	300580	50.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.14%
21) 2-Butanone-d5	4.17	46	326356	110.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.81%
24) Chloroform-d	4.64	84	284653	52.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.46%
26) 1,2-Dichloroethane-d4	5.31	65	183869	52.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.10%
32) Benzene-d6	5.34	84	540903	50.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.92%
36) 1,2-Dichloropropane-d6	6.32	67	193885	53.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.78%
41) Toluene-d8	7.56	98	481105	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%
43) trans-1,3-Dichloropropene-	7.85	79	85396	50.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.02%
47) 2-Hexanone-d5	8.31	63	222068	112.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	281793	54.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	175874	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	211408	49.218 ug/L	99
3) Chloromethane	1.33	50	247208	51.459 ug/L	100
5) Vinyl chloride	1.40	62	237709	52.181 ug/L	99
6) Bromomethane	1.61	94	103751	49.647 ug/L	99
8) Chloroethane	1.69	64	137392	53.423 ug/L	99
9) Trichlorofluoromethane	1.88	101	264110	53.166 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	144697	50.926 ug/L	100
12) 1,1-Dichloroethene	2.28	96	144655	51.934 ug/L	97
13) Acetone	2.32	43	226954	76.197 ug/L	99
14) Carbon disulfide	2.47	76	443301	48.135 ug/L	99
15) Methyl Acetate	2.61	43	249881	54.790 ug/L #	100
16) Methylene chloride	2.70	84	174508	53.146 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	145469	49.781 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	526891	54.523 ug/L	99
19) 1,1-Dichloroethane	3.44	63	323826	54.014 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	169187	51.625 ug/L	96
22) 2-Butanone	4.26	43	355958	98.873 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	81602	53.571	uq/L	97
25) Chloroform	4.67	83	309110	54.228	uq/L	98
27) 1,2-Dichloroethane	5.40	62	246455	55.100	uq/L	98
29) Cyclohexane	4.99	56	294456	52.575	uq/L	100
30) 1,1,1-Trichloroethane	4.91	97	249681	55.097	uq/L	99
31) Carbon tetrachloride	5.13	117	212281	55.267	uq/L	99
33) Benzene	5.39	78	682339	54.161	uq/L	100
34) Trichloroethene	6.18	95	160024	51.670	uq/L	97
35) Methylcyclohexane	6.41	83	253884	49.816	uq/L	99
37) 1,2-Dichloropropane	6.43	63	191681	53.613	uq/L	100
38) Bromodichloromethane	6.75	83	233726	55.018	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	268714	52.290	uq/L	100
40) 4-Methyl-2-pentanone	7.46	43	666136	110.923	uq/L	99
42) Toluene	7.63	91	708523	54.189	uq/L	100
44) trans-1,3-Dichloropropene	7.87	75	243330	53.814	uq/L	98
45) 1,1,2-Trichloroethane	8.06	97	165019	54.626	uq/L	96
46) Tetrachloroethene	8.22	164	109911	50.810	uq/L	98
48) 2-Hexanone	8.36	43	518260	105.296	uq/L	99
49) Dibromochloromethane	8.47	129	170985	54.473	uq/L	97
50) 1,2-Dibromoethane	8.58	107	174100	53.700	uq/L	99
51) Chlorobenzene	9.12	112	417335	52.666	uq/L	99
52) Ethylbenzene	9.25	91	758914	53.581	uq/L	100
53) m,p-Xylene	9.37	106	273110	53.403	uq/L	97
54) o-xylene	9.77	106	273923	54.893	uq/L	97
55) Styrene	9.79	104	465426	54.145	uq/L	99
56) Isopropylbenzene	10.16	105	709272	53.680	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	303581	54.526	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	237720	54.626	uq/L	100
61) Bromoform	9.95	173	123503	54.816	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	289313	52.207	uq/L	100
63) 1,4-Dichlorobenzene	11.50	146	290282	50.882	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	301683	53.838	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66545	53.334	uq/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	207265	49.959	uq/L	100
68) 1,2,4-trichlorobenzene	13.50	180	164462	45.625	uq/L	97
69) Naphthalene	13.74	128	570855	44.537	uq/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	184875	48.570	uq/L	98

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

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