

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030472.D
 Acq On : 27 Mar 2019 10:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Quant Time: Mar 28 01:23:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 06:00:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	408429	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	389894	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	182558	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	175172	53.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.58%
7) Chloroethane-d5	1.67	69	140721	54.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.02%
11) 1,1-Dichloroethene-d2	2.27	63	329767	52.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.78%
21) 2-Butanone-d5	4.17	46	329760	106.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.72%
24) Chloroform-d	4.64	84	307997	54.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.76%
26) 1,2-Dichloroethane-d4	5.31	65	198387	53.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.06%
32) Benzene-d6	5.33	84	591369	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.78%
36) 1,2-Dichloropropane-d6	6.32	67	209581	54.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.58%
41) Toluene-d8	7.56	98	529649	52.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.48%
43) trans-1,3-Dichloropropene-	7.85	79	93735	52.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.22%
47) 2-Hexanone-d5	8.31	63	224119	108.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.11%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	298794	54.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	193193	52.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	229136	50.847 ug/L	100
3) Chloromethane	1.33	50	264796	52.539 ug/L	98
5) Vinyl chloride	1.40	62	247213	51.727 ug/L	100
6) Bromomethane	1.61	94	108503	49.489 ug/L	97
8) Chloroethane	1.69	64	143710	53.263 ug/L	97
9) Trichlorofluoromethane	1.88	101	281390	53.992 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	158793	53.271 ug/L	97
12) 1,1-Dichloroethene	2.28	96	151634	51.890 ug/L	98
13) Acetone	2.32	43	343184	109.824 ug/L	100
14) Carbon disulfide	2.47	76	476472	49.314 ug/L	100
15) Methyl Acetate	2.61	43	245795	51.370 ug/L #	100
16) Methylene chloride	2.70	84	178329	51.766 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	157094	51.242 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	536383	52.906 ug/L	99
19) 1,1-Dichloroethane	3.44	63	336455	53.492 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	176752	51.408 ug/L	97
22) 2-Butanone	4.26	43	410200	108.604 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	83426	52.204	ug/L	94
25) Chloroform	4.67	83	313826	52.477	ug/L	99
27) 1,2-Dichloroethane	5.40	62	252917	53.897	ug/L	98
29) Cyclohexane	4.99	56	318543	53.987	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	258012	54.044	ug/L	99
31) Carbon tetrachloride	5.13	117	220299	54.441	ug/L	99
33) Benzene	5.39	78	707954	53.340	ug/L	100
34) Trichloroethene	6.18	95	166609	51.064	ug/L	100
35) Methylcyclohexane	6.41	83	282314	52.581	ug/L	98
37) 1,2-Dichloropropane	6.43	63	197836	52.525	ug/L	100
38) Bromodichloromethane	6.75	83	239127	53.431	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	294503	54.398	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	666784	105.392	ug/L	98
42) Toluene	7.63	91	739336	53.674	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	260114	54.604	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	167597	52.662	ug/L	100
46) Tetrachloroethene	8.22	164	122454	53.733	ug/L	97
48) 2-Hexanone	8.36	43	541262	104.384	ug/L	99
49) Dibromochloromethane	8.47	129	174482	52.764	ug/L	99
50) 1,2-Dibromoethane	8.58	107	180233	52.769	ug/L	98
51) Chlorobenzene	9.12	112	439184	52.608	ug/L	99
52) Ethylbenzene	9.25	91	807446	54.113	ug/L	100
53) m,p-Xylene	9.37	106	286338	53.146	ug/L	99
54) o-xylene	9.77	106	286803	54.556	ug/L	98
55) Styrene	9.79	104	492821	54.421	ug/L	99
56) Isopropylbenzene	10.16	105	753651	54.142	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	309786	52.815	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	238903	52.110	ug/L	99
61) Bromoform	9.95	173	130957	53.954	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	311308	52.144	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	314780	51.216	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	325200	53.870	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	67437	50.170	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	237578	53.157	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	193184	49.747	ug/L	99
69) Naphthalene	13.74	128	602600	43.640	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	204118	49.777	ug/L	97

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

