

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
 Data File : VU031732.D
 Acq On : 02 May 2019 23:29
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Quant Time: May 03 07:30:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 03 07:25:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	888589	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	838710	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	375066	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	339954	45.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.42%
7) Chloroethane-d5	1.68	69	263444	45.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.68%
11) 1,1-Dichloroethene-d2	2.27	63	651785	44.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.02%
21) 2-Butanone-d5	4.19	46	708472	105.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.14%
24) Chloroform-d	4.64	84	592524	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.31	65	381421	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
32) Benzene-d6	5.33	84	1182461	45.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.82%
36) 1,2-Dichloropropane-d6	6.32	67	412153	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.98%
41) Toluene-d8	7.56	98	1033948	46.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.18%
43) trans-1,3-Dichloropropene-	7.85	79	176860	45.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.94%
47) 2-Hexanone-d5	8.31	63	455299	116.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	570919	46.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.90%
64) 1,2-Dichlorobenzene-d4	11.85	152	363134	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	394616	40.385	ug/L	99
3) Chloromethane	1.32	50	499041	42.212	ug/L	100
5) Vinyl chloride	1.40	62	473595	42.848	ug/L	98
6) Bromomethane	1.63	94	241532	41.437	ug/L	97
8) Chloroethane	1.70	64	273452	45.259	ug/L	97
9) Trichlorofluoromethane	1.88	101	519784	41.252	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	308301	43.284	ug/L	99
12) 1,1-Dichloroethene	2.28	96	309149	44.592	ug/L	85
13) Acetone	2.34	43	503643	66.356	ug/L	99
14) Carbon disulfide	2.47	76	918579	39.928	ug/L	99
15) Methyl Acetate	2.62	43	556660	48.470	ug/L	99
16) Methylene chloride	2.70	84	372411	45.518	ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	325387	45.043	ug/L	99
18) Methyl tert-butyl Ether	2.99	73	1193502	51.857	ug/L	99
19) 1,1-Dichloroethane	3.44	63	720518	47.360	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	379557	48.981	ug/L	96
22) 2-Butanone	4.28	43	826399	98.276	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	176813	46.957	ug/L	95
25) Chloroform	4.67	83	666617	45.821	ug/L	97
27) 1,2-Dichloroethane	5.40	62	532055	45.025	ug/L	99
29) Cyclohexane	4.99	56	665853	50.162	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	538061	45.788	ug/L	100
31) Carbon tetrachloride	5.13	117	450320	44.834	ug/L	99
33) Benzene	5.38	78	1500587	48.664	ug/L	100
34) Trichloroethene	6.18	95	370321	49.543	ug/L	97
35) Methylcyclohexane	6.41	83	544491	48.606	ug/L	97
37) 1,2-Dichloropropane	6.43	63	428893	48.994	ug/L	99
38) Bromodichloromethane	6.75	83	493408	46.485	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	602061	52.048	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1478304	109.760	ug/L	99
42) Toluene	7.63	91	1534418	49.954	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	520041	49.567	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	358408	49.663	ug/L	99
46) Tetrachloroethene	8.22	164	239556	47.011	ug/L	97
48) 2-Hexanone	8.36	43	1160503	106.535	ug/L	99
49) Dibromochloromethane	8.47	129	357828	47.653	ug/L	100
50) 1,2-Dibromoethane	8.58	107	378255	49.627	ug/L	98
51) Chlorobenzene	9.12	112	883975	48.699	ug/L	98
52) Ethylbenzene	9.25	91	1641933	51.532	ug/L	99
53) m,p-Xylene	9.37	106	596592	53.740	ug/L	98
54) o-xylene	9.77	106	592119	53.800	ug/L	95
55) Styrene	9.79	104	1004102	53.400	ug/L	96
56) Isopropylbenzene	10.16	105	1536036	53.075	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	637876	49.810	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	519469	50.050	ug/L	100
61) Bromoform	9.95	173	256072	46.058	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	625658	50.394	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	631970	49.151	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	642884	48.722	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	144792	47.281	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	435561	46.840	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	394014	53.523	ug/L	99
69) Naphthalene	13.74	128	1507332	60.054	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	414455	49.451	ug/L	99

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

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