

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031195.D
 Acq On : 14 Apr 2019 07:06
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Quant Time: Apr 15 01:44:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 15 01:39:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	404308	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	467871	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	182005	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	197524	54.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.46%
7) Chloroethane-d5	1.67	69	176139	64.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	128.60%
11) 1,1-Dichloroethene-d2	2.27	63	409985	62.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	125.62%#
21) 2-Butanone-d5	4.17	46	296788	103.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.76%
24) Chloroform-d	4.64	84	297879	54.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.06%
26) 1,2-Dichloroethane-d4	5.30	65	193868	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.06%
32) Benzene-d6	5.33	84	572801	41.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.88%
36) 1,2-Dichloropropane-d6	6.32	67	191105	40.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.66%
41) Toluene-d8	7.56	98	512027	42.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.58%
43) trans-1,3-Dichloropropene-	7.85	79	83296	39.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.06%
47) 2-Hexanone-d5	8.31	63	181821	84.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.99%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	344456	54.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	192118	53.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.34%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	162615	45.789	ug/L	100
3) Chloromethane	1.32	50	195516	42.562	ug/L	98
5) Vinyl chloride	1.40	62	261649	58.841	ug/L	95
6) Bromomethane	1.61	94	145507	63.159	ug/L	99
8) Chloroethane	1.69	64	160891	63.437	ug/L	100
9) Trichlorofluoromethane	1.88	101	345117	66.608	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	183923	63.530	ug/L	98
12) 1,1-Dichloroethene	2.28	96	183799	65.765	ug/L	96
13) Acetone	2.32	43	265354	90.656	ug/L	99
14) Carbon disulfide	2.47	76	372978	42.960	ug/L	97
15) Methyl Acetate	2.61	43	225095	49.598	ug/L	98
16) Methylene chloride	2.69	84	169312	49.869	ug/L	92
17) trans-1,2-Dichloroethene	2.98	96	144332	48.638	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	511807	51.489	ug/L	99
19) 1,1-Dichloroethane	3.44	63	312538	51.036	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	168522	51.433	ug/L	93
22) 2-Butanone	4.25	43	321707	93.741	ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	89529	57.796	ug/L	86
25) Chloroform	4.67	83	319637	51.932	ug/L	99
27) 1,2-Dichloroethane	5.40	62	250923	53.414	ug/L	98
29) Cyclohexane	4.99	56	245655	36.838	ug/L	92
30) 1,1,1-Trichloroethane	4.91	97	263900	46.283	ug/L	98
31) Carbon tetrachloride	5.13	117	228281	46.459	ug/L	100
33) Benzene	5.38	78	659790	43.093	ug/L	100
34) Trichloroethene	6.18	95	162018	43.145	ug/L	94
35) Methylcyclohexane	6.41	83	219962	37.955	ug/L	96
37) 1,2-Dichloropropane	6.43	63	182120	42.008	ug/L	100
38) Bromodichloromethane	6.75	83	237417	45.394	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	250772	40.639	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	590406	84.686	ug/L	97
42) Toluene	7.63	91	697980	44.660	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	227764	41.883	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	172368	46.879	ug/L	95
46) Tetrachloroethene	8.22	164	118491	43.401	ug/L	95
48) 2-Hexanone	8.36	43	471705	86.723	ug/L	98
49) Dibromochloromethane	8.47	129	187976	48.180	ug/L	96
50) 1,2-Dibromoethane	8.58	107	182475	45.863	ug/L	100
51) Chlorobenzene	9.12	112	528189	55.103	ug/L	98
52) Ethylbenzene	9.24	91	962170	56.479	ug/L	99
53) m,p-Xylene	9.37	106	343737	57.854	ug/L	99
54) o-xylene	9.77	106	346867	58.692	ug/L	98
55) Styrene	9.79	104	608609	60.038	ug/L	97
56) Isopropylbenzene	10.16	105	889701	57.179	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	365186	54.910	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	262564	50.567	ug/L	99
61) Bromoform	9.95	173	167934	69.845	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	298320	51.861	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	297719	50.883	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	325349	56.386	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66086	53.877	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	218799	52.047	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	178945	50.065	ug/L	99
69) Naphthalene	13.74	128	600803	51.851	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	200690	53.741	ug/L	98

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

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