

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031093.D
 Acq On : 12 Apr 2019 00:37
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Quant Time: Apr 12 04:52:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 04:43:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	507586	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	495006	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	239499	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	231079	51.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.00%
7) Chloroethane-d5	1.68	69	174967	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.76%
11) 1,1-Dichloroethene-d2	2.27	63	393199	47.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.96%
21) 2-Butanone-d5	4.17	46	339454	94.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.53%
24) Chloroform-d	4.64	84	361967	52.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.31	65	233508	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.88%
32) Benzene-d6	5.33	84	702963	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
36) 1,2-Dichloropropane-d6	6.32	67	236450	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.50%
41) Toluene-d8	7.56	98	644537	50.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.64%
43) trans-1,3-Dichloropropene-	7.85	79	108003	47.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.66%
47) 2-Hexanone-d5	8.31	63	202796	89.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	325786	48.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	235419	49.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	204951	45.967	ug/L	100
3) Chloromethane	1.32	50	255084	44.231	ug/L	98
5) Vinyl chloride	1.40	62	264386	47.359	ug/L	94
6) Bromomethane	1.62	94	127157	43.964	ug/L	98
8) Chloroethane	1.69	64	157294	49.400	ug/L	98
9) Trichlorofluoromethane	1.88	101	324891	49.946	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	169371	46.600	ug/L	99
12) 1,1-Dichloroethene	2.28	96	165813	47.258	ug/L	97
13) Acetone	2.31	43	263244	71.636	ug/L	99
14) Carbon disulfide	2.47	76	474302	43.514	ug/L	100
15) Methyl Acetate	2.61	43	274068	48.102	ug/L	99
16) Methylene chloride	2.69	84	199863	46.890	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	181365	48.682	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	616593	49.409	ug/L	99
19) 1,1-Dichloroethane	3.44	63	376051	48.912	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	208338	50.647	ug/L	94
22) 2-Butanone	4.25	43	394845	91.643	ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	103287	53.111	ug/L	91
25) Chloroform	4.67	83	384879	49.808	ug/L	97
27) 1,2-Dichloroethane	5.40	62	304739	51.671	ug/L	99
29) Cyclohexane	4.99	56	319776	45.325	ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	308842	51.195	ug/L	98
31) Carbon tetrachloride	5.13	117	267589	51.474	ug/L	100
33) Benzene	5.38	78	812680	50.169	ug/L	100
34) Trichloroethene	6.18	95	199319	50.168	ug/L	94
35) Methylcyclohexane	6.41	83	288708	47.086	ug/L	97
37) 1,2-Dichloropropane	6.43	63	223733	48.777	ug/L	99
38) Bromodichloromethane	6.75	83	278122	50.262	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	326411	49.996	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	710969	96.389	ug/L	99
42) Toluene	7.63	91	847982	51.284	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	289966	50.398	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	200730	51.600	ug/L	96
46) Tetrachloroethene	8.22	164	145691	50.438	ug/L	99
48) 2-Hexanone	8.36	43	543361	94.420	ug/L	97
49) Dibromochloromethane	8.47	129	217495	52.690	ug/L	96
50) 1,2-Dibromoethane	8.58	107	213453	50.708	ug/L	99
51) Chlorobenzene	9.12	112	520082	51.283	ug/L	98
52) Ethylbenzene	9.25	91	901880	50.038	ug/L	98
53) m,p-Xylene	9.37	106	328009	52.180	ug/L	99
54) o-xylene	9.77	106	328859	52.595	ug/L	100
55) Styrene	9.79	104	580009	54.080	ug/L	98
56) Isopropylbenzene	10.16	105	862541	52.395	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	349109	49.615	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	278896	50.768	ug/L	99
61) Bromoform	9.95	173	158495	50.095	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	372909	49.266	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	385844	50.113	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	396249	52.188	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	76783	47.570	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	275945	49.883	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	228935	48.675	ug/L	100
69) Naphthalene	13.74	128	758404	49.740	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	252557	51.394	ug/L	97

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

