

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
 Data File : VU031569.D
 Acq On : 27 Apr 2019 06:29
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Apr 29 01:03:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 29 01:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	819718	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	771024	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	334248	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	298159	43.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.92%
7) Chloroethane-d5	1.68	69	237766	44.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.70%
11) 1,1-Dichloroethene-d2	2.27	63	614761	45.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.00%
21) 2-Butanone-d5	4.19	46	675065	108.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.60%
24) Chloroform-d	4.64	84	582797	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
26) 1,2-Dichloroethane-d4	5.31	65	383605	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
32) Benzene-d6	5.34	84	1127783	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
36) 1,2-Dichloropropane-d6	6.32	67	402908	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.74%
41) Toluene-d8	7.56	98	992601	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%
43) trans-1,3-Dichloropropene-	7.85	79	163661	45.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.54%
47) 2-Hexanone-d5	8.31	63	408040	113.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.17%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	538332	48.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.32%
64) 1,2-Dichlorobenzene-d4	11.85	152	339216	48.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	391944	43.482	ug/L 99
3) Chloromethane	1.32	50	495091	45.396	ug/L 99
5) Vinyl chloride	1.40	62	464569	45.562	ug/L 100
6) Bromomethane	1.63	94	229069	42.601	ug/L 99
8) Chloroethane	1.70	64	254950	45.742	ug/L 98
9) Trichlorofluoromethane	1.88	101	518972	44.648	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	284408	43.284	ug/L 99
12) 1,1-Dichloroethene	2.28	96	294244	46.008	ug/L 96
13) Acetone	2.34	43	473431	67.616	ug/L 97
14) Carbon disulfide	2.47	76	939667	44.277	ug/L 99
15) Methyl Acetate	2.62	43	512951	48.417	ug/L 98
16) Methylene chloride	2.70	84	347327	46.019	ug/L 96
17) trans-1,2-Dichloroethene	2.98	96	308507	46.294	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	1075688	50.665	ug/L 99
19) 1,1-Dichloroethane	3.44	63	670448	47.771	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	349827	48.937	ug/L 98
22) 2-Butanone	4.27	43	754761	97.298	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	160370	46.169	ug/L	98
25) Chloroform	4.67	83	627989	46.793	ug/L	99
27) 1,2-Dichloroethane	5.40	62	507288	46.536	ug/L	96
29) Cyclohexane	4.99	56	612007	50.153	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	504939	46.741	ug/L	99
31) Carbon tetrachloride	5.13	117	426095	46.147	ug/L	100
33) Benzene	5.39	78	1365079	48.155	ug/L	100
34) Trichloroethene	6.18	95	349615	50.879	ug/L	97
35) Methylcyclohexane	6.41	83	486028	47.196	ug/L	99
37) 1,2-Dichloropropane	6.43	63	394496	49.020	ug/L	99
38) Bromodichloromethane	6.75	83	466572	47.816	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	532806	50.105	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1326305	107.119	ug/L	100
42) Toluene	7.63	91	1400600	49.600	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	453289	46.998	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	325880	49.120	ug/L	99
46) Tetrachloroethene	8.22	164	214603	45.811	ug/L	94
48) 2-Hexanone	8.36	43	1054894	105.341	ug/L	100
49) Dibromochloromethane	8.47	129	329036	47.666	ug/L	97
50) 1,2-Dibromoethane	8.58	107	340601	48.610	ug/L	98
51) Chlorobenzene	9.12	112	806205	48.314	ug/L	98
52) Ethylbenzene	9.24	91	1469339	50.163	ug/L	99
53) m,p-Xylene	9.37	106	526510	51.591	ug/L	98
54) o-xylene	9.77	106	521476	51.541	ug/L	99
55) Styrene	9.79	104	899773	52.052	ug/L	99
56) Isopropylbenzene	10.16	105	1343510	50.498	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	569929	48.411	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	466098	48.850	ug/L	99
61) Bromoform	9.95	173	229229	46.265	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	540289	48.832	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	547888	47.815	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	565647	48.103	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	131738	48.271	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	384029	46.342	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	317286	48.363	ug/L	95
69) Naphthalene	13.74	128	1217819	54.445	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	351399	47.047	ug/L	97

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

