

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061819\
 Data File : VU032826.D
 Acq On : 18 Jun 2019 15:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: Jun 19 01:33:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 01:26:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	225918	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	219787	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	119235	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60179	38.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.96%
7) Chloroethane-d5	1.67	69	51809	42.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.14%
11) 1,1-Dichloroethene-d2	2.27	63	129214	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.08%
21) 2-Butanone-d5	4.17	46	133615	103.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.97%
24) Chloroform-d	4.64	84	137353	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.30	65	91115	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
32) Benzene-d6	5.33	84	251044	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
36) 1,2-Dichloropropane-d6	6.32	67	83766	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.80%
41) Toluene-d8	7.56	98	235824	43.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.90%
43) trans-1,3-Dichloropropene-	7.84	79	43980	46.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.64%
47) 2-Hexanone-d5	8.31	63	88478	103.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.82%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	135107	47.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.76%
64) 1,2-Dichlorobenzene-d4	11.85	152	105422	45.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.38%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	110713	48.515	ug/L 99
3) Chloromethane	1.32	50	98022	47.392	ug/L 99
5) Vinyl chloride	1.40	62	97489	47.520	ug/L 99
6) Bromomethane	1.62	94	57062	47.268	ug/L 97
8) Chloroethane	1.69	64	55712	47.176	ug/L 98
9) Trichlorofluoromethane	1.88	101	138306	48.053	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	73249	48.520	ug/L 97
12) 1,1-Dichloroethene	2.28	96	67898	47.726	ug/L 90
13) Acetone	2.32	43	140578	79.200	ug/L 98
14) Carbon disulfide	2.47	76	204940	45.525	ug/L 99
15) Methyl Acetate	2.61	43	101497	50.445	ug/L 98
16) Methylene chloride	2.69	84	79976	47.907	ug/L 99
17) trans-1,2-Dichloroethene	2.97	96	74078	48.016	ug/L 100
18) Methyl tert-butyl Ether	2.99	73	248418	50.152	ug/L 99
19) 1,1-Dichloroethane	3.44	63	145277	49.393	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	83478	49.669	ug/L 98
22) 2-Butanone	4.25	43	164400	89.362	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	44284	50.508	ug/L	99
25) Chloroform	4.67	83	150032	49.464	ug/L	98
27) 1,2-Dichloroethane	5.40	62	125682	50.439	ug/L	99
29) Cyclohexane	4.99	56	128055	49.898	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	129386	48.319	ug/L	98
31) Carbon tetrachloride	5.13	117	117691	48.305	ug/L	99
33) Benzene	5.38	78	310102	48.977	ug/L	100
34) Trichloroethene	6.18	95	83217	49.192	ug/L	98
35) Methylcyclohexane	6.41	83	130374	49.858	ug/L	99
37) 1,2-Dichloropropane	6.42	63	86445	49.773	ug/L	100
38) Bromodichloromethane	6.75	83	112105	48.003	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	139017	51.377	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	282754	101.973	ug/L	99
42) Toluene	7.63	91	341310	49.823	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	127756	50.268	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	79006	48.874	ug/L	96
46) Tetrachloroethene	8.22	164	68185	49.188	ug/L	99
48) 2-Hexanone	8.36	43	236204	96.549	ug/L	100
49) Dibromochloromethane	8.47	129	92576	47.505	ug/L	98
50) 1,2-Dibromoethane	8.58	107	89732	49.983	ug/L	98
51) Chlorobenzene	9.11	112	219645	48.724	ug/L	98
52) Ethylbenzene	9.24	91	384875	50.757	ug/L	99
53) m,p-Xylene	9.37	106	144890	50.645	ug/L	100
54) o-xylene	9.77	106	141620	50.689	ug/L	98
55) Styrene	9.79	104	245541	50.660	ug/L	99
56) Isopropylbenzene	10.16	105	384666	51.089	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	143725	49.135	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	113925	49.153	ug/L	99
61) Bromoform	9.95	173	70635	45.368	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	182770	49.314	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	188191	49.161	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	186799	49.362	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	34156	47.310	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	147245	49.446	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	135930	53.048	ug/L	98
69) Naphthalene	13.74	128	419353	53.228	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	136338	50.261	ug/L	99

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

