

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061819\
 Data File : VU032841.D
 Acq On : 18 Jun 2019 22:51
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Jun 19 04:40:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 04:35:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	224771	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	219170	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	119758	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60164	39.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.34%
7) Chloroethane-d5	1.67	69	51503	42.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.08%
11) 1,1-Dichloroethene-d2	2.27	63	131384	42.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.92%
21) 2-Butanone-d5	4.17	46	135029	105.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.61%
24) Chloroform-d	4.64	84	140793	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.30	65	95236	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
32) Benzene-d6	5.33	84	256674	44.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.86%
36) 1,2-Dichloropropane-d6	6.32	67	85307	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.74%
41) Toluene-d8	7.56	98	237999	44.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.96%
43) trans-1,3-Dichloropropene-	7.84	79	43192	45.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.24%
47) 2-Hexanone-d5	8.31	63	90213	106.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.15%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	138436	49.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	108502	46.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	109136	48.068	ug/L 99
3) Chloromethane	1.32	50	99304	48.257	ug/L 100
5) Vinyl chloride	1.40	62	98645	48.329	ug/L 99
6) Bromomethane	1.62	94	58493	48.701	ug/L 98
8) Chloroethane	1.69	64	57884	49.266	ug/L 100
9) Trichlorofluoromethane	1.88	101	138438	48.345	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	71754	47.772	ug/L 100
12) 1,1-Dichloroethene	2.28	96	69165	48.864	ug/L 91
13) Acetone	2.32	43	110060	62.323	ug/L 98
14) Carbon disulfide	2.47	76	209617	46.802	ug/L 99
15) Methyl Acetate	2.61	43	103925	51.916	ug/L 99
16) Methylene chloride	2.69	84	81133	48.848	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	75734	49.340	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	253693	51.479	ug/L 100
19) 1,1-Dichloroethane	3.44	63	147058	50.254	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	85160	50.928	ug/L 98
22) 2-Butanone	4.25	43	151805	82.937	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	44192	50.660	ug/L	99
25) Chloroform	4.67	83	151963	50.357	ug/L	95
27) 1,2-Dichloroethane	5.40	62	128802	51.955	ug/L	100
29) Cyclohexane	4.99	56	128638	50.266	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	133160	49.869	ug/L	99
31) Carbon tetrachloride	5.13	117	119696	49.266	ug/L	99
33) Benzene	5.38	78	320794	50.809	ug/L	100
34) Trichloroethene	6.18	95	84152	49.884	ug/L	97
35) Methylcyclohexane	6.41	83	129512	49.668	ug/L	99
37) 1,2-Dichloropropane	6.43	63	87154	50.323	ug/L	99
38) Bromodichloromethane	6.75	83	115829	49.738	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	134272	49.763	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	289500	104.700	ug/L	100
42) Toluene	7.63	91	348059	50.952	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	127063	50.136	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	80701	50.063	ug/L	99
46) Tetrachloroethene	8.22	164	68244	49.369	ug/L	98
48) 2-Hexanone	8.36	43	231976	95.087	ug/L	99
49) Dibromochloromethane	8.47	129	94590	48.675	ug/L	97
50) 1,2-Dibromoethane	8.58	107	91380	51.044	ug/L	100
51) Chlorobenzene	9.11	112	226975	50.492	ug/L	99
52) Ethylbenzene	9.24	91	392098	51.855	ug/L	98
53) m,p-Xylene	9.37	106	145555	51.020	ug/L	98
54) o-xylene	9.77	106	144532	51.877	ug/L	100
55) Styrene	9.79	104	248813	51.479	ug/L	99
56) Isopropylbenzene	10.16	105	391054	52.083	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	148053	50.757	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	118399	51.227	ug/L	100
61) Bromoform	9.95	173	72450	46.331	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	188423	50.618	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	190022	49.423	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	189708	49.912	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	34777	47.960	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	148785	49.744	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	135340	52.587	ug/L	99
69) Naphthalene	13.74	128	425615	53.786	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	137875	50.605	ug/L	100

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

