

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 Data File : VU033009.D
 Acq On : 24 Jun 2019 16:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Quant Time: Jun 25 05:28:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:22:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	199368	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	197662	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107901	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56262	41.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.58%
7) Chloroethane-d5	1.67	69	48557	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.36%
11) 1,1-Dichloroethene-d2	2.27	63	125527	45.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.46%
21) 2-Butanone-d5	4.17	46	124504	109.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.79%
24) Chloroform-d	4.64	84	135423	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.26%
26) 1,2-Dichloroethane-d4	5.30	65	90650	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
32) Benzene-d6	5.33	84	251363	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
36) 1,2-Dichloropropane-d6	6.32	67	81696	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.54%
41) Toluene-d8	7.56	98	234182	48.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.06%
43) trans-1,3-Dichloropropene-	7.84	79	43396	50.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.64%
47) 2-Hexanone-d5	8.31	63	77515	101.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.14%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	126487	49.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.70%
64) 1,2-Dichlorobenzene-d4	11.85	152	101257	48.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	105131	52.204	ug/L	99
3) Chloromethane	1.32	50	86924	47.623	ug/L	98
5) Vinyl chloride	1.40	62	90482	49.978	ug/L	98
6) Bromomethane	1.62	94	52178	48.979	ug/L	99
8) Chloroethane	1.69	64	53235	51.082	ug/L	99
9) Trichlorofluoromethane	1.88	101	131023	51.585	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	69116	51.879	ug/L	97
12) 1,1-Dichloroethene	2.28	96	62167	49.516	ug/L	94
13) Acetone	2.32	43	132402	84.528	ug/L	97
14) Carbon disulfide	2.47	76	190665	47.994	ug/L	100
15) Methyl Acetate	2.61	43	95695	53.896	ug/L	98
16) Methylene chloride	2.69	84	75307	51.118	ug/L	98
17) trans-1,2-Dichloroethene	2.97	96	67929	49.894	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	230960	52.837	ug/L	98
19) 1,1-Dichloroethane	3.44	63	138590	53.395	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	77431	52.206	ug/L	95
22) 2-Butanone	4.25	43	157293	96.885	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	40493	52.335	ug/L	96
25) Chloroform	4.67	83	142653	53.295	ug/L	97
27) 1,2-Dichloroethane	5.40	62	122836	55.862	ug/L	98
29) Cyclohexane	4.99	56	120464	52.194	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	125474	52.104	ug/L	98
31) Carbon tetrachloride	5.13	117	113094	51.614	ug/L	99
33) Benzene	5.38	78	294032	51.637	ug/L	100
34) Trichloroethene	6.18	95	78734	51.751	ug/L	98
35) Methylcyclohexane	6.41	83	123332	52.444	ug/L	98
37) 1,2-Dichloropropane	6.42	63	80987	51.850	ug/L	99
38) Bromodichloromethane	6.75	83	109132	51.961	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	126000	51.778	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	269531	108.085	ug/L	98
42) Toluene	7.63	91	322630	52.368	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	120336	52.649	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	75730	52.091	ug/L	98
46) Tetrachloroethene	8.22	164	65375	52.440	ug/L	97
48) 2-Hexanone	8.36	43	219855	99.925	ug/L	100
49) Dibromochloromethane	8.47	129	89528	51.083	ug/L	96
50) 1,2-Dibromoethane	8.58	107	83319	51.606	ug/L	100
51) Chlorobenzene	9.11	112	210165	51.840	ug/L	98
52) Ethylbenzene	9.24	91	363227	53.264	ug/L	99
53) m,p-Xylene	9.37	106	134711	52.357	ug/L	96
54) o-xylene	9.77	106	132484	52.727	ug/L	98
55) Styrene	9.78	104	229257	52.595	ug/L	95
56) Isopropylbenzene	10.16	105	359721	53.123	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	136334	51.825	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	109404	52.485	ug/L	99
61) Bromoform	9.95	173	68025	48.281	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	172548	51.447	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	174934	50.498	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	171482	50.075	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	31889	48.809	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	138964	51.566	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	120493	51.963	ug/L	100
69) Naphthalene	13.74	128	368553	51.693	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	124467	50.704	ug/L	99

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

