

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062519\
 Data File : VU033038.D
 Acq On : 25 Jun 2019 08:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Jun 26 07:05:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 06:54:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	186208	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	185070	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96979	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53902	42.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.72%
7) Chloroethane-d5	1.67	69	47272	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.16%
11) 1,1-Dichloroethene-d2	2.27	63	123537	48.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.38%
21) 2-Butanone-d5	4.17	46	117850	111.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.26%
24) Chloroform-d	4.64	84	128858	52.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.18%
26) 1,2-Dichloroethane-d4	5.30	65	85749	52.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.08%
32) Benzene-d6	5.33	84	235471	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
36) 1,2-Dichloropropane-d6	6.32	67	78525	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.18%
41) Toluene-d8	7.56	98	222266	49.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.84	79	39588	49.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.04%
47) 2-Hexanone-d5	8.31	63	72863	101.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.54%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	119874	50.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	95857	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	101307	53.860	ug/L 100
3) Chloromethane	1.32	50	83457	48.955	ug/L 100
5) Vinyl chloride	1.40	62	85801	50.742	ug/L 100
6) Bromomethane	1.62	94	54096	54.368	ug/L 94
8) Chloroethane	1.69	64	50005	51.374	ug/L 100
9) Trichlorofluoromethane	1.88	101	123350	51.997	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	65327	52.501	ug/L 98
12) 1,1-Dichloroethene	2.28	96	58352	49.763	ug/L 96
13) Acetone	2.32	43	140300	95.900	ug/L 96
14) Carbon disulfide	2.47	76	178426	48.088	ug/L 99
15) Methyl Acetate	2.61	43	91599	55.235	ug/L 98
16) Methylene chloride	2.69	84	71731	52.132	ug/L 98
17) trans-1,2-Dichloroethene	2.97	96	64313	50.576	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	216581	53.050	ug/L 98
19) 1,1-Dichloroethane	3.44	63	130478	53.822	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	73134	52.794	ug/L 95
22) 2-Butanone	4.25	43	154176	101.676	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	38473	53.238	ug/L	97
25) Chloroform	4.67	83	135062	54.025	ug/L	98
27) 1,2-Dichloroethane	5.40	62	115690	56.331	ug/L	98
29) Cyclohexane	4.99	56	109924	50.868	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	118387	52.505	ug/L	98
31) Carbon tetrachloride	5.13	117	107558	52.427	ug/L	100
33) Benzene	5.38	78	278653	52.266	ug/L	100
34) Trichloroethene	6.18	95	74239	52.117	ug/L	98
35) Methylcyclohexane	6.41	83	117132	53.197	ug/L	99
37) 1,2-Dichloropropane	6.42	63	77148	52.753	ug/L	100
38) Bromodichloromethane	6.75	83	102777	52.265	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	121861	53.485	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	252080	107.965	ug/L	98
42) Toluene	7.63	91	305565	52.973	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	112089	52.377	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	72461	53.234	ug/L	99
46) Tetrachloroethene	8.22	164	61444	52.640	ug/L	98
48) 2-Hexanone	8.36	43	213062	103.426	ug/L	99
49) Dibromochloromethane	8.47	129	84429	51.451	ug/L	99
50) 1,2-Dibromoethane	8.58	107	77798	51.465	ug/L	99
51) Chlorobenzene	9.11	112	196697	51.819	ug/L	98
52) Ethylbenzene	9.24	91	337499	52.858	ug/L	100
53) m,p-Xylene	9.37	106	125762	52.205	ug/L	95
54) o-xylene	9.77	106	126536	53.786	ug/L	98
55) Styrene	9.78	104	214982	52.675	ug/L	95
56) Isopropylbenzene	10.16	105	332057	52.374	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	127992	51.965	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	102784	52.665	ug/L	100
61) Bromoform	9.95	173	64148	50.657	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	155500	51.585	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	160089	51.418	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	163456	53.107	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	30804	52.459	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	125040	51.625	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	105809	50.769	ug/L	99
69) Naphthalene	13.74	128	302462	47.201	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	108299	49.087	ug/L	99

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

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