

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062519\
 Data File : VU033051.D
 Acq On : 25 Jun 2019 13:41
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: Jun 26 07:11:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 26 07:06:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	190847	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	190529	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102972	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	49773	38.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.32%
7) Chloroethane-d5	1.67	69	44082	42.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.76%
11) 1,1-Dichloroethene-d2	2.27	63	116491	44.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.66%
21) 2-Butanone-d5	4.17	46	118100	108.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.79%
24) Chloroform-d	4.64	84	124504	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.30	65	84907	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.54%
32) Benzene-d6	5.33	84	227049	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.42%
36) 1,2-Dichloropropane-d6	6.32	67	75121	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.96%
41) Toluene-d8	7.56	98	216678	46.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.16%
43) trans-1,3-Dichloropropene-	7.84	79	39819	48.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.76%
47) 2-Hexanone-d5	8.31	63	71570	96.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.88%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118420	48.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.84%
64) 1,2-Dichlorobenzene-d4	11.85	152	95269	47.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	103951	53.923	ug/L 99
3) Chloromethane	1.32	50	86483	49.497	ug/L 99
5) Vinyl chloride	1.40	62	87194	50.313	ug/L 99
6) Bromomethane	1.62	94	73518	72.091	ug/L 99
8) Chloroethane	1.69	64	51388	51.511	ug/L 99
9) Trichlorofluoromethane	1.88	101	127852	52.584	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	67680	53.070	ug/L 98
12) 1,1-Dichloroethene	2.28	96	59883	49.827	ug/L 91
13) Acetone	2.32	43	132923	88.649	ug/L 96
14) Carbon disulfide	2.47	76	181639	47.764	ug/L 100
15) Methyl Acetate	2.61	43	93756	55.161	ug/L 96
16) Methylene chloride	2.69	84	73979	52.459	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	65890	50.557	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	222589	53.196	ug/L 98
19) 1,1-Dichloroethane	3.44	63	135151	54.395	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	74924	52.772	ug/L 95
22) 2-Butanone	4.25	43	153474	98.753	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	40297	54.407	ug/L	96
25) Chloroform	4.66	83	139877	54.591	ug/L	99
27) 1,2-Dichloroethane	5.40	62	117576	55.857	ug/L	99
29) Cyclohexane	4.99	56	114545	51.488	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	122756	52.883	ug/L	99
31) Carbon tetrachloride	5.13	117	108606	51.421	ug/L	99
33) Benzene	5.38	78	286509	52.200	ug/L	100
34) Trichloroethene	6.18	95	77492	52.842	ug/L	97
35) Methylcyclohexane	6.41	83	119705	52.808	ug/L	99
37) 1,2-Dichloropropane	6.42	63	79214	52.614	ug/L	99
38) Bromodichloromethane	6.75	83	106759	52.734	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	124195	52.947	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	260633	108.430	ug/L	98
42) Toluene	7.63	91	313923	52.862	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	116367	52.818	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	73159	52.206	ug/L	98
46) Tetrachloroethene	8.22	164	63201	52.594	ug/L	98
48) 2-Hexanone	8.36	43	214005	100.908	ug/L	100
49) Dibromochloromethane	8.47	129	86053	50.938	ug/L	97
50) 1,2-Dibromoethane	8.58	107	79989	51.398	ug/L	97
51) Chlorobenzene	9.11	112	204197	52.254	ug/L	99
52) Ethylbenzene	9.24	91	351936	53.540	ug/L	99
53) m,p-Xylene	9.37	106	132159	53.288	ug/L	98
54) o-xylene	9.77	106	127862	52.793	ug/L	96
55) Styrene	9.79	104	221704	52.766	ug/L	96
56) Isopropylbenzene	10.16	105	346756	53.126	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	131221	51.749	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	104815	52.166	ug/L	100
61) Bromoform	9.95	173	65379	48.624	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	164443	51.377	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	166204	50.275	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	167076	51.124	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	31120	49.913	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	130931	50.911	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	108242	48.914	ug/L	98
69) Naphthalene	13.74	128	313160	46.026	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	115143	49.151	ug/L	99

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

