

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092619\
 Data File : VU034842.D
 Acq On : 26 Sep 2019 13:43
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Sep 26 15:49:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 14:52:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	531493	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	507485	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	255365	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	214655	39.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.90%
7) Chloroethane-d5	1.67	69	195222	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.84%
11) 1,1-Dichloroethene-d2	2.26	63	412511	44.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.54%
21) 2-Butanone-d5	4.14	46	494867	118.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.67%
24) Chloroform-d	4.62	84	427217	54.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.02%
26) 1,2-Dichloroethane-d4	5.28	65	281975	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.98%
32) Benzene-d6	5.31	84	850627	54.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.16%
36) 1,2-Dichloropropane-d6	6.31	67	300891	54.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.46%
41) Toluene-d8	7.54	98	820935	54.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.72%
43) trans-1,3-Dichloropropene-	7.83	79	139037	52.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.60%
47) 2-Hexanone-d5	8.29	63	330653	119.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.74%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	429831	56.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.70%
64) 1,2-Dichlorobenzene-d4	11.84	152	304161	56.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	246988	45.088	ug/L 100
3) Chloromethane	1.32	50	298797	45.536	ug/L 100
5) Vinyl chloride	1.40	62	284247	47.430	ug/L 98
6) Bromomethane	1.61	94	157697	48.179	ug/L 97
8) Chloroethane	1.69	64	167371	48.512	ug/L 98
9) Trichlorofluoromethane	1.87	101	360694	47.733	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	189820	52.391	ug/L 94
12) 1,1-Dichloroethene	2.27	96	184293	52.998	ug/L 86
13) Acetone	2.31	43	401079	82.681	ug/L 95
14) Carbon disulfide	2.46	76	551663	47.018	ug/L 99
15) Methyl Acetate	2.60	43	314785	48.579	ug/L 96
16) Methylene chloride	2.68	84	226350	51.387	ug/L 91
17) trans-1,2-Dichloroethene	2.96	96	201514	53.003	ug/L 86
18) Methyl tert-butyl Ether	2.98	73	696652	49.391	ug/L 95
19) 1,1-Dichloroethane	3.42	63	418782	48.016	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	229027	51.520	ug/L 87
22) 2-Butanone	4.23	43	511431	88.621	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.52	128	110929	52.134	ug/L #	85
25) Chloroform	4.65	83	396729	46.193	ug/L	96
27) 1,2-Dichloroethane	5.38	62	319295	43.037	ug/L #	93
29) Cyclohexane	4.97	56	377011	45.009	ug/L	95
30) 1,1,1-Trichloroethane	4.89	97	315933	45.741	ug/L	97
31) Carbon tetrachloride	5.11	117	279015	47.398	ug/L	100
33) Benzene	5.36	78	878580	49.917	ug/L	100
34) Trichloroethene	6.16	95	220321	50.685	ug/L	94
35) Methylcyclohexane	6.39	83	327375	44.380	ug/L	95
37) 1,2-Dichloropropane	6.41	63	253021	48.278	ug/L #	98
38) Bromodichloromethane	6.73	83	295352	46.470	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	392460	49.838	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	913280	91.276	ug/L	95
42) Toluene	7.61	91	966808	50.827	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	341732	48.138	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	216750	51.632	ug/L	96
46) Tetrachloroethene	8.21	164	166978	54.611	ug/L	97
48) 2-Hexanone	8.34	43	707869	90.582	ug/L	95
49) Dibromochloromethane	8.45	129	236913	50.631	ug/L	92
50) 1,2-Dibromoethane	8.56	107	234282	51.782	ug/L	99
51) Chlorobenzene	9.10	112	599372	51.835	ug/L	95
52) Ethylbenzene	9.23	91	1054737	49.241	ug/L	98
53) m,p-Xylene	9.35	106	392684	51.759	ug/L	95
54) o-xylene	9.76	106	384787	51.277	ug/L	96
55) Styrene	9.77	104	660647	52.011	ug/L	96
56) Isopropylbenzene	10.14	105	1001386	49.492	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	397047	49.243	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	303609	46.383	ug/L	97
61) Bromoform	9.94	173	170133	48.389	ug/L	100
62) 1,3-Dichlorobenzene	11.39	146	448973	50.769	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	452833	50.266	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	448316	50.172	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.63	75	84425	44.451	ug/L	83
67) 1,3,5-Trichlorobenzene	12.86	180	290351	49.002	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	259879	55.773	ug/L	97
69) Naphthalene	13.72	128	989975	61.372	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	265613	55.400	ug/L	96

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

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