

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
 Data File : VU033741.D
 Acq On : 11 Aug 2019 10:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Quant Time: Aug 12 04:04:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Aug 11 04:51:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	295426	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	292719	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	157980	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	114272	52.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.10%
7) Chloroethane-d5	1.67	69	94374	43.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.26	63	199482	54.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.10%
21) 2-Butanone-d5	4.15	46	156862	116.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.35%
24) Chloroform-d	4.62	84	184773	57.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.38%
26) 1,2-Dichloroethane-d4	5.28	65	110870	54.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.76%
32) Benzene-d6	5.32	84	368713	53.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.74%
36) 1,2-Dichloropropane-d6	6.31	67	113303	53.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.90%
41) Toluene-d8	7.55	98	342747	52.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.50%
43) trans-1,3-Dichloropropene-	7.83	79	53917	50.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.72%
47) 2-Hexanone-d5	8.29	63	117202	106.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.73%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	174431	55.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.24%
64) 1,2-Dichlorobenzene-d4	11.84	152	136126	51.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	116504	54.059	ug/L	98
3) Chloromethane	1.32	50	118681	53.168	ug/L	99
5) Vinyl chloride	1.39	62	134408	54.046	ug/L	98
6) Bromomethane	1.61	94	74998	37.171	ug/L	99
8) Chloroethane	1.69	64	84796	44.788	ug/L	99
9) Trichlorofluoromethane	1.87	101	186891	55.421	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	100406	56.774	ug/L	96
12) 1,1-Dichloroethene	2.27	96	90609	52.158	ug/L	97
13) Acetone	2.31	43	154858	114.241	ug/L	99
14) Carbon disulfide	2.46	76	263404	54.013	ug/L	100
15) Methyl Acetate	2.60	43	123672	54.757	ug/L	97
16) Methylene chloride	2.68	84	108263	53.710	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	96514	51.837	ug/L	97
18) Methyl tert-butyl Ether	2.98	73	300239	49.303	ug/L	99
19) 1,1-Dichloroethane	3.42	63	186997	53.220	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	108112	50.906	ug/L	98
22) 2-Butanone	4.23	43	193321	114.585	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	58403	53.447	ug/L	97
25) Chloroform	4.65	83	198194	54.074	ug/L	98
27) 1,2-Dichloroethane	5.38	62	155192	55.595	ug/L	99
29) Cyclohexane	4.97	56	149788	48.492	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	163630	51.514	ug/L	99
31) Carbon tetrachloride	5.11	117	147551	51.774	ug/L	97
33) Benzene	5.37	78	424522	52.113	ug/L	100
34) Trichloroethene	6.16	95	109233	50.820	ug/L	95
35) Methylcyclohexane	6.40	83	165385	50.548	ug/L	97
37) 1,2-Dichloropropane	6.41	63	113599	52.253	ug/L	99
38) Bromodichloromethane	6.74	83	145793	52.191	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	172822	50.023	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	338158	104.588	ug/L	98
42) Toluene	7.62	91	462728	52.507	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	158721	51.570	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	109174	51.370	ug/L	98
46) Tetrachloroethene	8.21	164	88099	49.722	ug/L	97
48) 2-Hexanone	8.34	43	278899	109.551	ug/L	98
49) Dibromochloromethane	8.46	129	124068	52.100	ug/L	100
50) 1,2-Dibromoethane	8.57	107	119056	50.667	ug/L	99
51) Chlorobenzene	9.10	112	289890	50.042	ug/L	99
52) Ethylbenzene	9.23	91	484830	50.291	ug/L	99
53) m,p-Xylene	9.36	106	186219	50.604	ug/L	98
54) o-xylene	9.76	106	183057	50.328	ug/L	98
55) Styrene	9.77	104	320602	52.527	ug/L	99
56) Isopropylbenzene	10.15	105	475647	49.831	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	194966	52.221	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	155178	52.799	ug/L	99
61) Bromoform	9.94	173	94714	49.943	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	243032	50.534	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	244551	50.202	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	248254	52.216	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	49721	55.354	ug/L	93
67) 1,3,5-Trichlorobenzene	12.87	180	189017	49.389	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	168120	48.556	ug/L	96
69) Naphthalene	13.73	128	520897	50.227	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	179752	50.218	ug/L	97

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

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