

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040119\
 Data File : VU030605.D
 Acq On : 31 Mar 2019 21:02
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Apr 01 02:13:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 01 02:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	455971	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	441828	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	207757	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	156034	42.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.04%
7) Chloroethane-d5	1.68	69	131156	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.18%
11) 1,1-Dichloroethene-d2	2.27	63	320154	45.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.98%
21) 2-Butanone-d5	4.18	46	318816	92.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.42%
24) Chloroform-d	4.65	84	298285	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.36%
26) 1,2-Dichloroethane-d4	5.31	65	197310	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
32) Benzene-d6	5.34	84	587887	46.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.33	67	205965	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.02%
41) Toluene-d8	7.56	98	539025	47.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.74%
43) trans-1,3-Dichloropropene-	7.85	79	90066	44.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.36%
47) 2-Hexanone-d5	8.31	63	199606	84.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	290780	46.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	192266	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	210557	41.853	ug/L 100
3) Chloromethane	1.33	50	251981	44.784	ug/L 99
5) Vinyl chloride	1.40	62	240603	45.094	ug/L 99
6) Bromomethane	1.62	94	111697	45.634	ug/L 98
8) Chloroethane	1.70	64	137843	45.762	ug/L 96
9) Trichlorofluoromethane	1.88	101	274000	47.092	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	145148	43.616	ug/L 97
12) 1,1-Dichloroethene	2.28	96	147391	45.179	ug/L 97
13) Acetone	2.32	43	236372	67.756	ug/L 98
14) Carbon disulfide	2.48	76	434293	40.262	ug/L 100
15) Methyl Acetate	2.62	43	247857	46.400	ug/L # 100
16) Methylene chloride	2.70	84	176662	45.936	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	147936	43.223	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	520174	45.958	ug/L 99
19) 1,1-Dichloroethane	3.44	63	330308	47.040	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	171700	44.732	ug/L 96
22) 2-Butanone	4.26	43	362903	86.064	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	81232	45.531	ug/L	96
25) Chloroform	4.67	83	315442	47.248	ug/L	97
27) 1,2-Dichloroethane	5.40	62	248024	47.343	ug/L	98
29) Cyclohexane	4.99	56	292501	43.747	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	251162	46.426	ug/L	99
31) Carbon tetrachloride	5.13	117	210108	45.820	ug/L	97
33) Benzene	5.39	78	696510	46.310	ug/L	100
34) Trichloroethene	6.18	95	164744	44.557	ug/L	99
35) Methylcyclohexane	6.41	83	254470	41.824	ug/L	98
37) 1,2-Dichloropropane	6.43	63	194930	45.670	ug/L	99
38) Bromodichloromethane	6.75	83	231763	45.698	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	273514	44.582	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	671854	93.711	ug/L	99
42) Toluene	7.63	91	721245	46.206	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	245711	45.518	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	163169	45.244	ug/L	99
46) Tetrachloroethene	8.22	164	117179	45.375	ug/L	96
48) 2-Hexanone	8.36	43	520899	88.649	ug/L	99
49) Dibromochloromethane	8.47	129	173909	46.409	ug/L	98
50) 1,2-Dibromoethane	8.58	107	174206	45.009	ug/L	100
51) Chlorobenzene	9.12	112	427938	45.236	ug/L	98
52) Ethylbenzene	9.25	91	775161	45.843	ug/L	99
53) m,p-Xylene	9.37	106	272464	44.627	ug/L	100
54) o-xylene	9.78	106	272269	45.703	ug/L	100
55) Styrene	9.79	104	470338	45.833	ug/L	99
56) Isopropylbenzene	10.16	105	720220	45.659	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	308074	46.350	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	240130	46.221	ug/L	99
61) Bromoform	9.95	173	125934	45.591	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	296507	43.641	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	302487	43.247	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	305177	44.422	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	66916	43.744	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	215181	42.306	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	177254	40.108	ug/L	98
69) Naphthalene	13.74	128	591834	37.661	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	190826	40.891	ug/L	99

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

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