

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032293.D
 Acq On : 24 May 2019 06:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: May 24 07:34:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 07:24:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	807690	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	813955	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	401209	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	223718	52.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.98%
7) Chloroethane-d5	1.67	69	193720	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.62%
11) 1,1-Dichloroethene-d2	2.27	63	441658	52.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.50%
21) 2-Butanone-d5	4.17	46	350210	86.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.95%
24) Chloroform-d	4.64	84	478007	44.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.82%
26) 1,2-Dichloroethane-d4	5.30	65	286264	42.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.68%
32) Benzene-d6	5.33	84	989147	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.46%
36) 1,2-Dichloropropane-d6	6.32	67	294495	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.28%
41) Toluene-d8	7.56	98	946202	49.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.76%
43) trans-1,3-Dichloropropene-	7.85	79	134846	44.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.90%
47) 2-Hexanone-d5	8.31	63	247771	89.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	475273	43.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.26%
64) 1,2-Dichlorobenzene-d4	11.85	152	396702	47.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	285726	56.688	ug/L 97
3) Chloromethane	1.32	50	284136	45.425	ug/L 99
5) Vinyl chloride	1.40	62	305185	52.584	ug/L 97
6) Bromomethane	1.61	94	211942	45.295	ug/L 99
8) Chloroethane	1.69	64	182682	46.007	ug/L 98
9) Trichlorofluoromethane	1.88	101	409592	56.027	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	236644	55.704	ug/L 100
12) 1,1-Dichloroethene	2.28	96	249957	52.803	ug/L 96
13) Acetone	2.32	43	250566	77.181	ug/L 97
14) Carbon disulfide	2.47	76	719733	51.067	ug/L 100
15) Methyl Acetate	2.61	43	260232	41.071	ug/L 99
16) Methylene chloride	2.69	84	288813	42.759	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	258042	46.846	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	800528	42.207	ug/L 99
19) 1,1-Dichloroethane	3.44	63	458557	46.036	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	299712	45.511	ug/L 96
22) 2-Butanone	4.26	43	376908	85.223	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	154909	42.552	ug/L	97
25) Chloroform	4.67	83	490630	44.450	ug/L	96
27) 1,2-Dichloroethane	5.40	62	365624	42.395	ug/L	98
29) Cyclohexane	4.99	56	377869	59.333	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	415404	51.582	ug/L	100
31) Carbon tetrachloride	5.13	117	356823	54.137	ug/L	100
33) Benzene	5.38	78	1091525	46.922	ug/L	100
34) Trichloroethene	6.18	95	279915	48.606	ug/L	98
35) Methylcyclohexane	6.41	83	411430	58.970	ug/L	100
37) 1,2-Dichloropropane	6.43	63	273965	45.290	ug/L	100
38) Bromodichloromethane	6.75	83	364745	43.440	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	408893	46.038	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	713533	85.765	ug/L	100
42) Toluene	7.63	91	1221678	49.831	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	359236	45.788	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	283918	42.407	ug/L	99
46) Tetrachloroethene	8.22	164	232460	53.739	ug/L	98
48) 2-Hexanone	8.36	43	590263	90.392	ug/L	98
49) Dibromochloromethane	8.47	129	309744	43.732	ug/L	98
50) 1,2-Dibromoethane	8.58	107	310054	43.079	ug/L	98
51) Chlorobenzene	9.11	112	788563	47.990	ug/L	99
52) Ethylbenzene	9.24	91	1320011	52.978	ug/L	98
53) m,p-Xylene	9.37	106	516640	53.720	ug/L	97
54) o-xylene	9.77	106	521769	52.026	ug/L	96
55) Styrene	9.79	104	903267	52.486	ug/L	99
56) Isopropylbenzene	10.16	105	1329912	56.782	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	479351	42.092	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	384783	42.928	ug/L	99
61) Bromoform	9.95	173	240080	40.082	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	618501	48.409	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	635046	47.824	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	648413	46.658	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	106877	42.282	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	467958	51.668	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	382330	53.463	ug/L	97
69) Naphthalene	13.74	128	1315256	52.606	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	440430	53.490	ug/L	98

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

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