

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU043019\
 Data File : VU031625.D
 Acq On : 30 Apr 2019 11:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: May 01 01:27:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 04:50:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	683945	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	653384	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	279530	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	246213	43.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.02%
7) Chloroethane-d5	1.68	69	201001	45.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.88%
11) 1,1-Dichloroethene-d2	2.27	63	526231	46.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.32%
21) 2-Butanone-d5	4.19	46	544487	104.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.99%
24) Chloroform-d	4.64	84	529195	50.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.96%
26) 1,2-Dichloroethane-d4	5.30	65	350587	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.38%
32) Benzene-d6	5.33	84	980146	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
36) 1,2-Dichloropropane-d6	6.32	67	353867	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.26%
41) Toluene-d8	7.56	98	822559	47.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.14%
43) trans-1,3-Dichloropropene-	7.85	79	146310	48.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.58%
47) 2-Hexanone-d5	8.31	63	312074	102.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	480291	50.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	275216	46.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	321820	42.790	ug/L	100
3) Chloromethane	1.32	50	384345	42.238	ug/L	100
5) Vinyl chloride	1.40	62	356185	41.867	ug/L	99
6) Bromomethane	1.63	94	173073	38.576	ug/L	100
8) Chloroethane	1.70	64	198132	42.605	ug/L	99
9) Trichlorofluoromethane	1.88	101	407659	42.034	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	237969	43.406	ug/L	97
12) 1,1-Dichloroethene	2.28	96	221782	41.562	ug/L	93
13) Acetone	2.34	43	508317	87.011	ug/L	96
14) Carbon disulfide	2.47	76	729886	41.219	ug/L	100
15) Methyl Acetate	2.62	43	384049	43.446	ug/L	97
16) Methylene chloride	2.70	84	271036	43.039	ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	227951	40.997	ug/L	97
18) Methyl tert-butyl Ether	2.99	73	785441	44.338	ug/L	98
19) 1,1-Dichloroethane	3.44	63	527955	45.086	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	254748	42.711	ug/L	93
22) 2-Butanone	4.27	43	590963	91.306	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	119566	41.255	ug/L	94
25) Chloroform	4.67	83	490707	43.822	ug/L	99
27) 1,2-Dichloroethane	5.40	62	408879	44.954	ug/L	95
29) Cyclohexane	4.99	56	468027	45.260	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	403145	44.037	ug/L	98
31) Carbon tetrachloride	5.13	117	333682	42.645	ug/L	99
33) Benzene	5.38	78	1068040	44.460	ug/L	100
34) Trichloroethene	6.18	95	259046	44.486	ug/L	93
35) Methylcyclohexane	6.41	83	397003	45.492	ug/L	97
37) 1,2-Dichloropropane	6.43	63	309361	45.363	ug/L	100
38) Bromodichloromethane	6.75	83	360279	43.571	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	403014	44.723	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	956879	91.197	ug/L	96
42) Toluene	7.63	91	1043310	43.600	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	363183	44.435	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	243802	43.364	ug/L	97
46) Tetrachloroethene	8.22	164	161617	40.712	ug/L	96
48) 2-Hexanone	8.36	43	798608	94.107	ug/L	99
49) Dibromochloromethane	8.47	129	247501	42.309	ug/L	99
50) 1,2-Dibromoethane	8.58	107	252865	42.586	ug/L	99
51) Chlorobenzene	9.12	112	593633	41.980	ug/L	96
52) Ethylbenzene	9.25	91	1089477	43.891	ug/L	100
53) m,p-Xylene	9.37	106	381380	44.098	ug/L	97
54) o-xylene	9.77	106	380597	44.390	ug/L	99
55) Styrene	9.79	104	656245	44.799	ug/L	100
56) Isopropylbenzene	10.16	105	989042	43.868	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	434519	43.554	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	350742	43.378	ug/L	98
61) Bromoform	9.95	173	165689	39.987	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	385378	41.649	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	399117	41.650	ug/L	96
65) 1,2-Dichlorobenzene	11.87	146	415087	42.209	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	93785	41.092	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	283844	40.957	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	221022	40.285	ug/L	99
69) Naphthalene	13.74	128	745898	39.874	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	245192	39.254	ug/L	98

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

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