

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030744.D
 Acq On : 05 Apr 2019 15:29
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Apr 05 23:47:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:39:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	325074	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	322004	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	150690	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	137773	47.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.96%
7) Chloroethane-d5	1.68	69	109286	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.24%
11) 1,1-Dichloroethene-d2	2.27	63	265735	50.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.26%
21) 2-Butanone-d5	4.17	46	269013	116.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.97%
24) Chloroform-d	4.64	84	228216	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.96%
26) 1,2-Dichloroethane-d4	5.31	65	155146	51.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.58%
32) Benzene-d6	5.34	84	464671	49.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.86%
36) 1,2-Dichloropropane-d6	6.32	67	160816	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.84%
41) Toluene-d8	7.56	98	419373	50.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.66%
43) trans-1,3-Dichloropropene-	7.85	79	74491	50.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.42%
47) 2-Hexanone-d5	8.31	63	154936	105.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	226489	52.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	147786	49.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	146496	51.304	ug/L 99
3) Chloromethane	1.32	50	187091	50.655	ug/L 99
5) Vinyl chloride	1.40	62	180651	50.528	ug/L 96
6) Bromomethane	1.62	94	94223	50.867	ug/L 100
8) Chloroethane	1.70	64	106629	52.290	ug/L 98
9) Trichlorofluoromethane	1.88	101	215945	51.836	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	119945	51.530	ug/L 98
12) 1,1-Dichloroethene	2.28	96	118389	52.686	ug/L 97
13) Acetone	2.32	43	259161	110.121	ug/L 98
14) Carbon disulfide	2.47	76	356582	51.082	ug/L 99
15) Methyl Acetate	2.61	43	203681	55.819	ug/L 97
16) Methylene chloride	2.70	84	139830	51.224	ug/L 95
17) trans-1,2-Dichloroethene	2.98	96	119147	49.938	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	408476	51.110	ug/L 99
19) 1,1-Dichloroethane	3.44	63	258484	52.497	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	137272	52.107	ug/L 97
22) 2-Butanone	4.26	43	316277	114.621	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	64348	51.666	ug/L	93
25) Chloroform	4.67	83	254715	51.471	ug/L	98
27) 1,2-Dichloroethane	5.40	62	195394	51.732	ug/L	99
29) Cyclohexane	4.99	56	227397	49.548	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	201106	51.247	ug/L	99
31) Carbon tetrachloride	5.13	117	172551	51.025	ug/L	100
33) Benzene	5.39	78	541758	51.413	ug/L	100
34) Trichloroethene	6.18	95	131367	50.829	ug/L	98
35) Methylcyclohexane	6.41	83	203945	51.133	ug/L	100
37) 1,2-Dichloropropane	6.43	63	151939	50.922	ug/L	99
38) Bromodichloromethane	6.75	83	186509	51.815	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	207742	48.916	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	513557	107.032	ug/L	100
42) Toluene	7.63	91	561577	52.210	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	197794	52.848	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	131381	51.918	ug/L	95
46) Tetrachloroethene	8.22	164	96208	51.202	ug/L	98
48) 2-Hexanone	8.36	43	420708	112.385	ug/L	99
49) Dibromochloromethane	8.47	129	137001	51.022	ug/L	97
50) 1,2-Dibromoethane	8.58	107	136982	50.025	ug/L	99
51) Chlorobenzene	9.12	112	333806	50.599	ug/L	98
52) Ethylbenzene	9.25	91	590965	50.404	ug/L	99
53) m,p-Xylene	9.37	106	212165	51.885	ug/L	98
54) o-xylene	9.77	106	206466	50.761	ug/L	100
55) Styrene	9.79	104	365100	52.332	ug/L	99
56) Isopropylbenzene	10.16	105	551217	51.473	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	234995	51.341	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	191104	53.477	ug/L	97
61) Bromoform	9.95	173	98600	49.531	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	235025	49.348	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	237632	49.053	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	239907	50.219	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	52756	51.947	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	170931	49.110	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	141728	47.893	ug/L	97
69) Naphthalene	13.74	128	474116	49.421	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	152960	49.471	ug/L	97

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

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