

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU040619\
 Data File : VU030746.D
 Acq On : 05 Apr 2019 17:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Apr 06 02:16:21 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	369244	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	353902	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	166552	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	146596	44.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.96%
7) Chloroethane-d5	1.68	69	117258	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.74%
11) 1,1-Dichloroethene-d2	2.27	63	282194	47.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.66%
21) 2-Butanone-d5	4.17	46	268290	102.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.70%
24) Chloroform-d	4.64	84	248180	49.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.58%
26) 1,2-Dichloroethane-d4	5.31	65	167425	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
32) Benzene-d6	5.33	84	499255	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
36) 1,2-Dichloropropane-d6	6.32	67	174730	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.70%
41) Toluene-d8	7.56	98	447512	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%
43) trans-1,3-Dichloropropene-	7.85	79	80719	50.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.00%
47) 2-Hexanone-d5	8.31	63	158165	97.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	240421	50.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	155722	47.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	160257	49.410	ug/L 99
3) Chloromethane	1.32	50	198521	47.320	ug/L 99
5) Vinyl chloride	1.40	62	194506	47.895	ug/L 95
6) Bromomethane	1.62	94	101722	48.347	ug/L 98
8) Chloroethane	1.69	64	113022	48.795	ug/L 99
9) Trichlorofluoromethane	1.88	101	238720	50.448	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	135030	51.071	ug/L 99
12) 1,1-Dichloroethene	2.28	96	126932	49.730	ug/L 97
13) Acetone	2.32	43	291160	108.918	ug/L 99
14) Carbon disulfide	2.47	76	389303	49.098	ug/L 97
15) Methyl Acetate	2.61	43	211994	51.148	ug/L 97
16) Methylene chloride	2.70	84	145767	47.012	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	129008	47.603	ug/L 94
18) Methyl tert-butyl Ether	2.99	73	438203	48.270	ug/L 100
19) 1,1-Dichloroethane	3.44	63	283748	50.734	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	144577	48.315	ug/L 97
22) 2-Butanone	4.25	43	340731	108.712	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	69897	49.408	ug/L	97
25) Chloroform	4.67	83	275269	48.970	ug/L	99
27) 1,2-Dichloroethane	5.40	62	215760	50.291	ug/L	98
29) Cyclohexane	4.99	56	246799	48.928	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	217981	50.541	ug/L	99
31) Carbon tetrachloride	5.13	117	187288	50.391	ug/L	100
33) Benzene	5.38	78	592605	51.170	ug/L	100
34) Trichloroethene	6.18	95	144447	50.853	ug/L	98
35) Methylcyclohexane	6.41	83	224608	51.238	ug/L	98
37) 1,2-Dichloropropane	6.43	63	163191	49.763	ug/L	100
38) Bromodichloromethane	6.75	83	198355	50.139	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	240959	51.623	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	537163	101.861	ug/L	100
42) Toluene	7.63	91	598015	50.586	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	215849	52.474	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	140994	50.695	ug/L	98
46) Tetrachloroethene	8.22	164	106139	51.396	ug/L	99
48) 2-Hexanone	8.36	43	444516	108.042	ug/L	99
49) Dibromochloromethane	8.47	129	148946	50.470	ug/L	99
50) 1,2-Dibromoethane	8.58	107	149698	49.741	ug/L	99
51) Chlorobenzene	9.12	112	360811	49.763	ug/L	100
52) Ethylbenzene	9.24	91	645277	50.076	ug/L	98
53) m,p-Xylene	9.37	106	230787	51.352	ug/L	100
54) o-xylene	9.77	106	223798	50.063	ug/L	97
55) Styrene	9.79	104	396917	51.764	ug/L	99
56) Isopropylbenzene	10.16	105	605772	51.469	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	252761	50.245	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	200354	51.012	ug/L	99
61) Bromoform	9.95	173	107421	48.823	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	260023	49.398	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	260838	48.716	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	259335	49.115	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	55624	49.555	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	192687	50.089	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	164496	50.292	ug/L	96
69) Naphthalene	13.74	128	522810	49.307	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	168115	49.195	ug/L	99

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

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