

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
 Data File : VU036493.D
 Acq On : 16 Jan 2020 01:54
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Jan 16 06:56:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 06:52:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	541276	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	517341	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	241390	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	179350	51.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.22%
7) Chloroethane-d5	1.93	69	157372	51.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.59	63	333817	49.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.08%
21) 2-Butanone-d5	4.68	46	318833	105.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.67%
24) Chloroform-d	5.11	84	361423	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
26) 1,2-Dichloroethane-d4	5.75	65	245133	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.56%
32) Benzene-d6	5.77	84	701388	51.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.68%
36) 1,2-Dichloropropane-d6	6.73	67	234194	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.44%
41) Toluene-d8	7.93	98	647223	50.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.16%
43) trans-1,3-Dichloropropene-	8.21	79	120241	50.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.46%
47) 2-Hexanone-d5	8.67	63	248382	110.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.15%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	339304	51.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.52%
64) 1,2-Dichlorobenzene-d4	12.21	152	252452	53.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	211539	42.172	ug/L 100
3) Chloromethane	1.54	50	220560	48.830	ug/L 99
5) Vinyl chloride	1.62	62	223132	49.769	ug/L 100
6) Bromomethane	1.87	94	132791	48.707	ug/L 98
8) Chloroethane	1.95	64	127364	48.023	ug/L 99
9) Trichlorofluoromethane	2.16	101	272453	44.618	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	132404	41.011	ug/L 97
12) 1,1-Dichloroethene	2.61	96	155111	48.485	ug/L 96
13) Acetone	2.66	43	283886	86.939	ug/L 99
14) Carbon disulfide	2.82	76	476949	46.095	ug/L 99
15) Methyl Acetate	2.99	43	218499	50.037	ug/L 98
16) Methylene chloride	3.08	84	199075	50.578	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	173390	49.436	ug/L 98
18) Methyl tert-butyl Ether	3.41	73	623764	52.187	ug/L 99
19) 1,1-Dichloroethane	3.92	63	334483	50.514	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	209918	52.201	ug/L 91
22) 2-Butanone	4.76	43	354233	95.594	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	101087	52.034	ug/L	96
25) Chloroform	5.13	83	369258	52.291	ug/L	99
27) 1,2-Dichloroethane	5.84	62	288326	51.552	ug/L	98
29) Cyclohexane	5.43	56	243387	39.225	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	302101	49.168	ug/L	98
31) Carbon tetrachloride	5.57	117	251136	47.690	ug/L	96
33) Benzene	5.82	78	748016	50.319	ug/L	100
34) Trichloroethene	6.58	95	211616	52.719	ug/L	95
35) Methylcyclohexane	6.80	83	235717	38.142	ug/L	98
37) 1,2-Dichloropropane	6.83	63	198148	50.293	ug/L	99
38) Bromodichloromethane	7.14	83	273759	50.489	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	311226	48.795	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	637052	100.512	ug/L	98
42) Toluene	8.00	91	796870	49.354	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	296950	50.258	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	196478	52.173	ug/L	98
46) Tetrachloroethene	8.58	164	127740	47.310	ug/L	94
48) 2-Hexanone	8.72	43	498542	99.454	ug/L	99
49) Dibromochloromethane	8.84	129	221840	52.958	ug/L	99
50) 1,2-Dibromoethane	8.95	107	221434	51.871	ug/L	98
51) Chlorobenzene	9.47	112	510224	50.254	ug/L	98
52) Ethylbenzene	9.60	91	864271	47.925	ug/L	99
53) m,p-Xylene	9.72	106	334113	49.544	ug/L	98
54) o-xylene	10.13	106	333650	49.559	ug/L	97
55) Styrene	10.14	104	564800	51.727	ug/L	99
56) Isopropylbenzene	10.51	105	821219	47.527	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	304420	46.485	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	278117	51.190	ug/L	99
61) Bromoform	10.32	173	158860	48.324	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	378217	49.758	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	372706	48.798	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	382786	51.055	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	85146	51.642	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	243020	52.872	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	211632	62.479	ug/L	98
69) Naphthalene	14.10	128	888041	77.586	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	224957	64.017	ug/L	97

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

