

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020720\
 Data File : VU036691.D
 Acq On : 07 Feb 2020 09:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050108

Quant Time: Feb 07 22:36:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 16:44:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	267616	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	247540	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	112836	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91649	51.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.70%
7) Chloroethane-d5	1.93	69	81695	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.74%
11) 1,1-Dichloroethene-d2	2.59	63	167835	49.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.62%
21) 2-Butanone-d5	4.68	46	157870	103.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.68%
24) Chloroform-d	5.11	84	162242	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
26) 1,2-Dichloroethane-d4	5.74	65	107559	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
32) Benzene-d6	5.77	84	328974	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
36) 1,2-Dichloropropane-d6	6.73	67	110067	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.90%
41) Toluene-d8	7.93	98	297562	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%
43) trans-1,3-Dichloropropene-	8.21	79	51098	49.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.80%
47) 2-Hexanone-d5	8.66	63	123675	100.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.30%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	157788	49.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.12%
66) 1,2-Dichlorobenzene-d4	12.21	152	100608	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	93832	50.748	ug/L 100
3) Chloromethane	1.54	50	109143	49.813	ug/L 99
5) Vinyl chloride	1.62	62	120087	50.901	ug/L 98
6) Bromomethane	1.87	94	83523	56.463	ug/L 96
8) Chloroethane	1.95	64	74658	49.861	ug/L 100
9) Trichlorofluoromethane	2.16	101	142499	50.830	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	85999	51.215	ug/L 99
12) 1,1-Dichloroethene	2.60	96	82772	50.633	ug/L 98
13) Acetone	2.66	43	174149	107.664	ug/L 99
14) Carbon disulfide	2.82	76	245774	50.310	ug/L 100
15) Methyl Acetate	2.99	43	118529	50.687	ug/L 100
16) Methylene chloride	3.08	84	101518	50.314	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	87629	50.380	ug/L 97
18) Methyl tert-butyl Ether	3.41	73	302207	50.061	ug/L 100
19) 1,1-Dichloroethane	3.92	63	176076	50.806	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	100247	50.582	ug/L 99
22) 2-Butanone	4.76	43	202614	105.541	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	45497	48.990	ug/L	98
25) Chloroform	5.13	83	167432	49.676	ug/L	98
27) 1,2-Dichloroethane	5.84	62	141394	49.884	ug/L	98
29) Cyclohexane	5.43	56	164203	51.640	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	135920	51.690	ug/L	99
31) Carbon tetrachloride	5.57	117	109509	51.434	ug/L	100
33) Benzene	5.81	78	388787	51.927	ug/L	100
34) Trichloroethene	6.58	95	94853	51.231	ug/L	99
35) Methylcyclohexane	6.80	83	167574	51.394	ug/L	98
37) 1,2-Dichloropropane	6.83	63	105092	52.053	ug/L	99
38) Bromodichloromethane	7.14	83	127996	52.170	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	164594	51.023	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	321855	100.899	ug/L	99
42) Toluene	8.00	91	413542	51.115	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	146112	51.847	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	93715	50.881	ug/L	98
46) Tetrachloroethene	8.58	164	64754	49.839	ug/L	97
48) 2-Hexanone	8.72	43	262258	100.786	ug/L	99
49) Dibromochloromethane	8.84	129	93798	52.067	ug/L	100
50) 1,2-Dibromoethane	8.95	107	97905	50.599	ug/L	99
51) Chlorobenzene	9.47	112	243667	50.018	ug/L	100
52) Ethylbenzene	9.60	91	448176	50.415	ug/L	99
53) m,p-Xylene	9.72	106	164558	50.179	ug/L	97
54) o-xylene	10.12	106	163876	50.443	ug/L	99
55) Styrene	10.14	104	276193	51.012	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	166020	50.023	ug/L	100
59) Bromoform	10.32	173	62484	50.122	ug/L	99
60) 1,2,3-Trichloropropane	10.85	75	132425	49.892	ug/L	99
61) Isopropylbenzene	10.51	105	429895	51.166	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	372375	51.693	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	366581	50.963	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	178638	50.557	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	180697	50.796	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	180042	50.327	ug/L	100
68) 1,2-Dibromo-3-chloropropan	13.01	75	39208	51.691	ug/L	95
69) 1,3,5-Trichlorobenzene	13.23	180	127187	51.910	ug/L	99
70) 1,2,4-trichlorobenzene	13.85	180	110576	54.122	ug/L	100
71) Naphthalene	14.10	128	391280	54.331	ug/L	99
72) 1,2,3-Trichlorobenzene	14.34	180	109649	53.869	ug/L	99

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

