

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037614.D
 Acq On : 09 Apr 2020 13:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: Apr 10 03:06:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 09 12:32:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	614155	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	587313	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	290640	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	259109	48.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.52%
7) Chloroethane-d5	1.93	69	212267	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.84%
11) 1,1-Dichloroethene-d2	2.59	63	435811	49.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.62%
21) 2-Butanone-d5	4.66	46	423813	97.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.43%
24) Chloroform-d	5.10	84	409474	50.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.50%
26) 1,2-Dichloroethane-d4	5.74	65	270767	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.80%
32) Benzene-d6	5.76	84	862033	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.78%
36) 1,2-Dichloropropane-d6	6.72	67	285579	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.30%
41) Toluene-d8	7.92	98	789751	49.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.20	79	149798	48.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.36%
47) 2-Hexanone-d5	8.65	63	312761	94.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.98%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	393585	48.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.90%
64) 1,2-Dichlorobenzene-d4	12.20	152	293696	48.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	247656	51.477	ug/L 99
3) Chloromethane	1.54	50	282910	50.281	ug/L 98
5) Vinyl chloride	1.62	62	300349	51.009	ug/L 99
6) Bromomethane	1.87	94	153910	49.665	ug/L 99
8) Chloroethane	1.95	64	179258	51.282	ug/L 99
9) Trichlorofluoromethane	2.16	101	327886	51.565	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	197329	50.970	ug/L 99
12) 1,1-Dichloroethene	2.60	96	202424	51.559	ug/L 95
13) Acetone	2.66	43	259945	101.182	ug/L 99
14) Carbon disulfide	2.82	76	687940	51.150	ug/L 99
15) Methyl Acetate	2.98	43	305514	50.007	ug/L 99
16) Methylene chloride	3.08	84	227074	50.626	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	215552	51.177	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	741123	50.973	ug/L 99
19) 1,1-Dichloroethane	3.91	63	424135	51.364	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	234508	50.637	ug/L 100
22) 2-Butanone	4.74	43	454039	100.973	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	115496	51.172	ug/L	97
25) Chloroform	5.13	83	393293	50.619	ug/L	98
27) 1,2-Dichloroethane	5.83	62	327331	50.936	ug/L	99
29) Cyclohexane	5.42	56	421206	52.152	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	342673	51.475	ug/L	99
31) Carbon tetrachloride	5.56	117	277508	51.352	ug/L	99
33) Benzene	5.81	78	918834	51.408	ug/L	100
34) Trichloroethene	6.57	95	224141	50.943	ug/L	99
35) Methylcyclohexane	6.79	83	408030	52.266	ug/L	100
37) 1,2-Dichloropropane	6.82	63	254351	51.791	ug/L	100
38) Bromodichloromethane	7.13	83	308327	50.999	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	412024	51.257	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	870257	99.775	ug/L	100
42) Toluene	7.99	91	976994	51.458	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	399386	51.257	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	223725	51.055	ug/L	99
46) Tetrachloroethene	8.57	164	167330	51.115	ug/L	98
48) 2-Hexanone	8.71	43	682730	99.132	ug/L	99
49) Dibromochloromethane	8.83	129	239500	50.968	ug/L	100
50) 1,2-Dibromoethane	8.94	107	240145	50.651	ug/L	99
51) Chlorobenzene	9.47	112	605977	51.106	ug/L	99
52) Ethylbenzene	9.59	91	1098303	51.595	ug/L	99
53) m,p-Xylene	9.71	106	416858	51.573	ug/L	99
54) o-xylene	10.12	106	406624	50.724	ug/L	97
55) Styrene	10.13	104	712941	51.293	ug/L	99
56) Isopropylbenzene	10.50	105	1073655	51.438	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	396825	50.715	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	332900	49.897	ug/L	99
61) Bromoform	10.31	173	188200	51.094	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	470130	50.253	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	473792	50.477	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	464608	50.393	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	105254	49.282	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	351077	51.325	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	337747	51.192	ug/L	100
69) Naphthalene	14.11	128	1202848	49.411	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	333231	50.692	ug/L	98

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

