

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\
 Data File : VU037583.D
 Acq On : 06 Apr 2020 10:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: Apr 07 00:41:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 06 16:20:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	174829	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	162850	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	81667	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	53845	37.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.84%
7) Chloroethane-d5	1.93	69	44475	38.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.98%
11) 1,1-Dichloroethene-d2	2.59	63	97688	40.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.86%
21) 2-Butanone-d5	4.66	46	90099	84.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.43%
24) Chloroform-d	5.11	84	99973	41.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.58%
26) 1,2-Dichloroethane-d4	5.74	65	66550	41.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.80%
32) Benzene-d6	5.76	84	200211	42.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.86%
36) 1,2-Dichloropropane-d6	6.72	67	67864	42.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.46%
41) Toluene-d8	7.93	98	188926	42.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.92%
43) trans-1,3-Dichloropropene-	8.20	79	36366	42.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.34%
47) 2-Hexanone-d5	8.66	63	71190	84.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.59%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	98878	43.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.10%
64) 1,2-Dichlorobenzene-d4	12.21	152	67872	40.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	47282	41.833	ug/L 100
3) Chloromethane	1.54	50	46323	38.638	ug/L 99
5) Vinyl chloride	1.62	62	49464	41.549	ug/L 99
6) Bromomethane	1.87	94	27699	47.175	ug/L 99
8) Chloroethane	1.95	64	28017	39.902	ug/L 96
9) Trichlorofluoromethane	2.16	101	70845	41.944	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	42967	44.600	ug/L 99
12) 1,1-Dichloroethene	2.60	96	38201	40.848	ug/L 83
13) Acetone	2.65	43	65080	105.501	ug/L 100
14) Carbon disulfide	2.82	76	108843	40.292	ug/L 100
15) Methyl Acetate	2.98	43	56495	40.415	ug/L 97
16) Methylene chloride	3.08	84	47754	42.098	ug/L 93
17) trans-1,2-Dichloroethene	3.39	96	40857	40.572	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	151364	42.879	ug/L 99
19) 1,1-Dichloroethane	3.91	63	82972	42.053	ug/L 96
20) cis-1,2-Dichloroethene	4.71	96	48561	41.875	ug/L 98
22) 2-Butanone	4.75	43	88755	88.152	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	23957	43.041	ug/L	93
25) Chloroform	5.13	83	86764	42.177	ug/L	94
27) 1,2-Dichloroethane	5.83	62	68808	43.341	ug/L	99
29) Cyclohexane	5.42	56	73231	42.909	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	72706	42.118	ug/L	98
31) Carbon tetrachloride	5.56	117	60076	42.284	ug/L	98
33) Benzene	5.81	78	181058	42.432	ug/L	100
34) Trichloroethene	6.57	95	46637	41.799	ug/L	97
35) Methylcyclohexane	6.79	83	72464	42.035	ug/L	97
37) 1,2-Dichloropropane	6.82	63	50972	41.925	ug/L #	96
38) Bromodichloromethane	7.14	83	67952	42.973	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	81226	42.775	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	162412	82.323	ug/L	99
42) Toluene	8.00	91	193562	41.919	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	81349	43.502	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	49542	44.632	ug/L	100
46) Tetrachloroethene	8.58	164	31809	42.460	ug/L	95
48) 2-Hexanone	8.71	43	130311	84.936	ug/L	99
49) Dibromochloromethane	8.84	129	52347	42.280	ug/L	97
50) 1,2-Dibromoethane	8.95	107	52367	42.897	ug/L	98
51) Chlorobenzene	9.47	112	123374	43.076	ug/L	99
52) Ethylbenzene	9.59	91	224134	42.922	ug/L	99
53) m,p-Xylene	9.72	106	83768	43.007	ug/L	96
54) o-xylene	10.12	106	81565	43.448	ug/L	98
55) Styrene	10.13	104	142109	42.751	ug/L	99
56) Isopropylbenzene	10.50	105	217544	42.739	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	84079	42.017	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	67060	42.907	ug/L	100
61) Bromoform	10.31	173	40276	43.141	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	96751	41.029	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	98335	41.318	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	96594	41.370	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	22746	40.614	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	68849	42.064	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	66136	42.386	ug/L	98
69) Naphthalene	14.12	128	253245	38.309	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	66518	42.199	ug/L	98

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

