

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037658.D
 Acq On : 10 Apr 2020 07:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Apr 10 08:40:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 08:38:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	517200	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	493807	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	239903	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	204916	45.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.64%
7) Chloroethane-d5	1.93	69	165775	45.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.74%
11) 1,1-Dichloroethene-d2	2.59	63	344854	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.60%
21) 2-Butanone-d5	4.66	46	364526	99.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.51%
24) Chloroform-d	5.10	84	325819	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.90%
26) 1,2-Dichloroethane-d4	5.74	65	226370	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
32) Benzene-d6	5.76	84	680815	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.72%
36) 1,2-Dichloropropane-d6	6.72	67	229914	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.08%
41) Toluene-d8	7.92	98	618602	45.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.86%
43) trans-1,3-Dichloropropene-	8.20	79	115079	44.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.04%
47) 2-Hexanone-d5	8.65	63	271191	97.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.95%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	325679	47.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.36%
64) 1,2-Dichlorobenzene-d4	12.20	152	227823	45.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.26%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	200184	49.410	ug/L	98
3) Chloromethane	1.54	50	240422	50.740	ug/L	99
5) Vinyl chloride	1.62	62	247951	50.004	ug/L	100
6) Bromomethane	1.87	94	123414	47.290	ug/L	99
8) Chloroethane	1.95	64	146565	49.789	ug/L	99
9) Trichlorofluoromethane	2.16	101	267585	49.970	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	151708	46.532	ug/L	99
12) 1,1-Dichloroethene	2.60	96	156457	47.321	ug/L	92
13) Acetone	2.65	43	219364	101.393	ug/L	98
14) Carbon disulfide	2.82	76	526294	46.467	ug/L	99
15) Methyl Acetate	2.98	43	266972	51.891	ug/L	98
16) Methylene chloride	3.08	84	186300	49.322	ug/L	94
17) trans-1,2-Dichloroethene	3.39	96	169485	47.783	ug/L	96
18) Methyl tert-butyl Ether	3.40	73	618920	50.548	ug/L	99
19) 1,1-Dichloroethane	3.91	63	351405	50.534	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	191603	49.129	ug/L	99
22) 2-Butanone	4.75	43	384731	101.599	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	92824	48.836	ug/L	95
25) Chloroform	5.13	83	331484	50.662	ug/L	99
27) 1,2-Dichloroethane	5.83	62	278735	51.505	ug/L	98
29) Cyclohexane	5.42	56	337709	49.732	ug/L	97
30) 1,1,1-Trichloroethane	5.35	97	281225	50.244	ug/L	98
31) Carbon tetrachloride	5.56	117	223567	49.204	ug/L	99
33) Benzene	5.81	78	755245	50.257	ug/L	100
34) Trichloroethene	6.57	95	178846	48.345	ug/L	98
35) Methylcyclohexane	6.79	83	308984	47.073	ug/L	99
37) 1,2-Dichloropropane	6.82	63	209341	50.697	ug/L	99
38) Bromodichloromethane	7.13	83	256015	50.365	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	322449	47.709	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	744585	101.532	ug/L	99
42) Toluene	7.99	91	784397	49.137	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	310021	47.322	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	181646	49.302	ug/L	98
46) Tetrachloroethene	8.57	164	126889	46.101	ug/L	98
48) 2-Hexanone	8.71	43	592247	102.277	ug/L	98
49) Dibromochloromethane	8.83	129	189882	48.061	ug/L	99
50) 1,2-Dibromoethane	8.94	107	192679	48.335	ug/L	99
51) Chlorobenzene	9.47	112	473081	47.453	ug/L	98
52) Ethylbenzene	9.59	91	871835	48.711	ug/L	99
53) m,p-Xylene	9.71	106	327298	48.161	ug/L	97
54) o-xylene	10.12	106	325252	48.256	ug/L	100
55) Styrene	10.13	104	562134	48.102	ug/L	99
56) Isopropylbenzene	10.50	105	847503	48.291	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	319816	48.613	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	279772	49.874	ug/L	99
61) Bromoform	10.31	173	145691	47.919	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	363348	47.053	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	363545	46.923	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	363629	47.782	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	87772	49.788	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	255731	45.292	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	248930	45.710	ug/L	100
69) Naphthalene	14.11	128	916688	45.620	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	248325	45.765	ug/L	99

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

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