

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037838.D
 Acq On : 21 Apr 2020 20:24
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Apr 22 02:19:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 22 02:16:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	521327	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	502189	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	250818	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	196507	42.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.34%
7) Chloroethane-d5	1.93	69	168130	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.44%
11) 1,1-Dichloroethene-d2	2.59	63	341797	43.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.76%
21) 2-Butanone-d5	4.66	46	357818	94.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.06%
24) Chloroform-d	5.10	84	346307	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.10%
26) 1,2-Dichloroethane-d4	5.74	65	235958	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
32) Benzene-d6	5.76	84	711724	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
36) 1,2-Dichloropropane-d6	6.72	67	241871	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.40%
41) Toluene-d8	7.92	98	638054	44.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.64%
43) trans-1,3-Dichloropropene-	8.20	79	119672	45.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.40%
47) 2-Hexanone-d5	8.65	63	257529	94.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.13%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	338569	47.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.02%
64) 1,2-Dichlorobenzene-d4	12.20	152	240974	45.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	190226	41.387	ug/L 100
3) Chloromethane	1.54	50	200704	43.774	ug/L 100
5) Vinyl chloride	1.62	62	233593	43.507	ug/L 98
6) Bromomethane	1.87	94	85078	41.011	ug/L 99
8) Chloroethane	1.95	64	139217	44.155	ug/L 99
9) Trichlorofluoromethane	2.16	101	252553	42.533	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	146588	42.399	ug/L 100
12) 1,1-Dichloroethene	2.60	96	149584	43.882	ug/L 94
13) Acetone	2.66	43	203183	80.306	ug/L 100
14) Carbon disulfide	2.82	76	476950	41.950	ug/L 100
15) Methyl Acetate	2.98	43	252806	44.840	ug/L 99
16) Methylene chloride	3.08	84	182412	44.572	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	164424	43.708	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	600812	44.864	ug/L 100
19) 1,1-Dichloroethane	3.91	63	348754	44.648	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	186768	44.421	ug/L 97
22) 2-Butanone	4.75	43	363856	87.514	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	91379	45.254	ug/L	97
25) Chloroform	5.13	83	326395	44.627	ug/L	98
27) 1,2-Dichloroethane	5.83	62	280416	44.475	ug/L	100
29) Cyclohexane	5.42	56	316177	41.900	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	275080	44.698	ug/L	99
31) Carbon tetrachloride	5.56	117	215977	43.623	ug/L	99
33) Benzene	5.81	78	737385	44.798	ug/L	100
34) Trichloroethene	6.57	95	176276	43.381	ug/L	98
35) Methylcyclohexane	6.79	83	293210	41.330	ug/L	99
37) 1,2-Dichloropropane	6.82	63	211211	45.428	ug/L	99
38) Bromodichloromethane	7.13	83	252188	45.072	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	329967	45.057	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	706010	89.015	ug/L	99
42) Toluene	7.99	91	767355	44.022	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	317410	45.094	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	181123	45.084	ug/L	99
46) Tetrachloroethene	8.57	164	124552	42.670	ug/L	98
48) 2-Hexanone	8.71	43	553705	88.002	ug/L	99
49) Dibromochloromethane	8.83	129	188215	45.001	ug/L	99
50) 1,2-Dibromoethane	8.94	107	194425	45.086	ug/L	99
51) Chlorobenzene	9.47	112	471173	43.285	ug/L	100
52) Ethylbenzene	9.59	91	851166	43.540	ug/L	100
53) m,p-Xylene	9.71	106	316848	42.740	ug/L	98
54) o-xylene	10.12	106	312276	43.349	ug/L	100
55) Styrene	10.13	104	541493	43.371	ug/L	100
56) Isopropylbenzene	10.50	105	817940	42.732	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	320226	44.734	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	272760	44.019	ug/L	99
61) Bromoform	10.31	173	140309	44.669	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	363037	42.792	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	365742	42.697	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	363193	43.395	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	79756	43.603	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	261518	42.463	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	249932	42.661	ug/L	99
69) Naphthalene	14.11	128	873166	42.312	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	247064	42.378	ug/L	99

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

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