

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050620\
 Data File : VU038026.D
 Acq On : 06 May 2020 18:05
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: May 07 01:06:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 07 01:04:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	720184	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	724825	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	351131	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	213408	33.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.38%
7) Chloroethane-d5	1.93	69	194321	37.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.42%
11) 1,1-Dichloroethene-d2	2.59	63	395940	38.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.42%
21) 2-Butanone-d5	4.66	46	450701	91.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.03%
24) Chloroform-d	5.10	84	410557	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.70%
26) 1,2-Dichloroethane-d4	5.74	65	276453	40.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.14%
32) Benzene-d6	5.76	84	831283	38.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.82%
36) 1,2-Dichloropropane-d6	6.72	67	283565	40.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.06%
41) Toluene-d8	7.92	98	749190	38.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.46%#
43) trans-1,3-Dichloropropene-	8.20	79	129551	39.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.00%
47) 2-Hexanone-d5	8.65	63	256413	83.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.23%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	431946	42.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.64%
64) 1,2-Dichlorobenzene-d4	12.20	152	292929	39.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.80%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	248848	44.411	ug/L	99
3) Chloromethane	1.53	50	318913	44.910	ug/L	100
5) Vinyl chloride	1.62	62	337530	46.778	ug/L	98
6) Bromomethane	1.86	94	155039	45.112	ug/L	97
8) Chloroethane	1.95	64	204987	47.238	ug/L	99
9) Trichlorofluoromethane	2.15	101	351860	46.918	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	209846	45.529	ug/L	98
12) 1,1-Dichloroethene	2.60	96	219198	46.472	ug/L	99
13) Acetone	2.65	43	294349	92.302	ug/L	100
14) Carbon disulfide	2.82	76	684073	43.782	ug/L	99
15) Methyl Acetate	2.98	43	340708	49.070	ug/L	100
16) Methylene chloride	3.07	84	263307	47.358	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	236446	46.430	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	807779	47.673	ug/L	100
19) 1,1-Dichloroethane	3.91	63	490791	48.380	ug/L	99
20) cis-1,2-Dichloroethene	4.70	96	269205	47.809	ug/L	98
22) 2-Butanone	4.74	43	501648	97.193	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	128167	48.389	ug/L	98
25) Chloroform	5.12	83	466668	47.922	ug/L	100
27) 1,2-Dichloroethane	5.83	62	380813	47.292	ug/L	100
29) Cyclohexane	5.42	56	427381	45.125	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	380020	47.167	ug/L	100
31) Carbon tetrachloride	5.56	117	302174	47.511	ug/L	99
33) Benzene	5.81	78	1059302	46.750	ug/L	100
34) Trichloroethene	6.57	95	258436	47.035	ug/L	99
35) Methylcyclohexane	6.79	83	408639	44.275	ug/L	99
37) 1,2-Dichloropropane	6.82	63	289140	47.728	ug/L	99
38) Bromodichloromethane	7.13	83	346575	47.117	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	441001	47.489	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	939411	95.706	ug/L	99
42) Toluene	7.99	91	1128007	47.383	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	404377	46.641	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	261287	47.621	ug/L	100
46) Tetrachloroethene	8.57	164	182345	45.455	ug/L	99
48) 2-Hexanone	8.70	43	778868	96.287	ug/L	100
49) Dibromochloromethane	8.83	129	254970	48.185	ug/L	99
50) 1,2-Dibromoethane	8.94	107	272448	46.225	ug/L	96
51) Chlorobenzene	9.47	112	704678	47.541	ug/L	99
52) Ethylbenzene	9.59	91	1260445	47.763	ug/L	100
53) m,p-Xylene	9.71	106	483144	48.219	ug/L	99
54) o-xylene	10.11	106	472712	47.918	ug/L	98
55) Styrene	10.13	104	811851	48.450	ug/L	99
56) Isopropylbenzene	10.50	105	1221365	48.083	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	456798	46.634	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	394978	47.022	ug/L	100
61) Bromoform	10.31	173	174226	46.405	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	536472	47.720	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	534769	47.077	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	533241	47.019	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	103109	43.557	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	367099	47.899	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	351989	47.915	ug/L	99
69) Naphthalene	14.11	128	1343278	47.661	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	359283	49.694	ug/L	99

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

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