

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037204.D
 Acq On : 12 Mar 2020 21:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Mar 13 07:35:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 07:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	413440	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	404921	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	205544	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	146974	45.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.86%
7) Chloroethane-d5	1.93	69	122403	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.90%
11) 1,1-Dichloroethene-d2	2.59	63	281036	47.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.74%
21) 2-Butanone-d5	4.66	46	263388	104.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.01%
24) Chloroform-d	5.10	84	307578	50.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.74	65	220789	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
32) Benzene-d6	5.76	84	544689	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
36) 1,2-Dichloropropane-d6	6.72	67	176489	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.74%
41) Toluene-d8	7.92	98	526725	49.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.86%
43) trans-1,3-Dichloropropene-	8.20	79	93824	47.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.48%
47) 2-Hexanone-d5	8.66	63	199397	105.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.55%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	277195	49.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.10%
64) 1,2-Dichlorobenzene-d4	12.21	152	208308	48.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	202832	48.007	ug/L 99
3) Chloromethane	1.54	50	174280	50.436	ug/L 100
5) Vinyl chloride	1.62	62	186441	49.236	ug/L 98
6) Bromomethane	1.87	94	82348	56.653	ug/L 97
8) Chloroethane	1.95	64	106160	47.853	ug/L 97
9) Trichlorofluoromethane	2.16	101	288608	49.918	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	130908	48.480	ug/L 97
12) 1,1-Dichloroethene	2.60	96	118453	48.548	ug/L 95
13) Acetone	2.65	43	175557	73.072	ug/L 99
14) Carbon disulfide	2.82	76	325536	47.059	ug/L 100
15) Methyl Acetate	2.98	43	190804	50.494	ug/L 100
16) Methylene chloride	3.08	84	146520	48.111	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	127535	49.890	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	496335	50.278	ug/L 99
19) 1,1-Dichloroethane	3.91	63	283714	49.600	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	154011	49.809	ug/L 98
22) 2-Butanone	4.75	43	288403	94.912	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	76892	49.313	ug/L	97
25) Chloroform	5.13	83	304522	49.233	ug/L	100
27) 1,2-Dichloroethane	5.83	62	269335	48.870	ug/L	98
29) Cyclohexane	5.43	56	234070	48.897	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	273022	50.798	ug/L	98
31) Carbon tetrachloride	5.56	117	239552	50.444	ug/L	98
33) Benzene	5.81	78	596528	49.981	ug/L	100
34) Trichloroethene	6.57	95	157717	50.853	ug/L	97
35) Methylcyclohexane	6.79	83	230849	49.164	ug/L	99
37) 1,2-Dichloropropane	6.82	63	166754	49.153	ug/L	100
38) Bromodichloromethane	7.13	83	231162	48.738	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	254464	48.374	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	564080	102.140	ug/L	99
42) Toluene	7.99	91	662276	50.814	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	250493	50.435	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	156448	50.646	ug/L	98
46) Tetrachloroethene	8.57	164	116784	50.685	ug/L	98
48) 2-Hexanone	8.71	43	447725	102.875	ug/L	98
49) Dibromochloromethane	8.83	129	185034	50.915	ug/L	98
50) 1,2-Dibromoethane	8.95	107	168651	50.591	ug/L	99
51) Chlorobenzene	9.47	112	409054	49.905	ug/L	99
52) Ethylbenzene	9.59	91	759330	50.315	ug/L	99
53) m,p-Xylene	9.71	106	272938	51.133	ug/L	100
54) o-xylene	10.12	106	263959	50.052	ug/L	98
55) Styrene	10.13	104	458397	51.256	ug/L	99
56) Isopropylbenzene	10.50	105	739921	50.479	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	284125	50.389	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	236120	50.068	ug/L	98
61) Bromoform	10.31	173	140941	49.094	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	315914	48.491	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	318406	48.356	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	326641	49.089	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	73417	50.046	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	224306	47.243	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	180219	48.610	ug/L	100
69) Naphthalene	14.11	128	274285	48.783	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	191574	49.240	ug/L	99

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

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