

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037229.D
 Acq On : 13 Mar 2020 07:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Mar 13 08:32:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 08:28:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	422050	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	421139	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	208644	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	145489	44.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.08%
7) Chloroethane-d5	1.93	69	123336	46.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.66%
11) 1,1-Dichloroethene-d2	2.59	63	275818	46.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.04%
21) 2-Butanone-d5	4.66	46	264364	102.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.27%
24) Chloroform-d	5.11	84	301691	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	5.74	65	216830	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
32) Benzene-d6	5.76	84	537799	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.78%
36) 1,2-Dichloropropane-d6	6.72	67	174437	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.94%
41) Toluene-d8	7.92	98	523124	47.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.20	79	90136	43.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.28%
47) 2-Hexanone-d5	8.66	63	194950	99.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.22%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	277682	47.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.48%
64) 1,2-Dichlorobenzene-d4	12.21	152	210112	48.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	200315	46.444 ug/L	97
3) Chloromethane	1.54	50	175560	49.770 ug/L	99
5) Vinyl chloride	1.62	62	182744	47.275 ug/L	99
6) Bromomethane	1.87	94	85139	57.378 ug/L	98
8) Chloroethane	1.95	64	105702	46.675 ug/L	99
9) Trichlorofluoromethane	2.16	101	284077	48.132 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	127023	46.082 ug/L	98
12) 1,1-Dichloroethene	2.60	96	116975	46.964 ug/L	97
13) Acetone	2.65	43	184098	75.064 ug/L	100
14) Carbon disulfide	2.82	76	319314	45.218 ug/L	99
15) Methyl Acetate	2.98	43	187134	48.512 ug/L	100
16) Methylene chloride	3.08	84	146452	47.107 ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	124979	47.893 ug/L	94
18) Methyl tert-butyl Ether	3.40	73	484020	48.030 ug/L	100
19) 1,1-Dichloroethane	3.91	63	276274	47.314 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	149124	47.245 ug/L	97
22) 2-Butanone	4.75	43	285212	91.947 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	76138	47.833	ug/L	97
25) Chloroform	5.13	83	298728	47.311	ug/L	100
27) 1,2-Dichloroethane	5.83	62	263895	46.907	ug/L	99
29) Cyclohexane	5.42	56	221626	44.515	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	266127	47.608	ug/L	100
31) Carbon tetrachloride	5.56	117	234050	47.388	ug/L	99
33) Benzene	5.81	78	589603	47.498	ug/L	100
34) Trichloroethene	6.57	95	151376	46.929	ug/L	98
35) Methylcyclohexane	6.79	83	219616	44.971	ug/L	99
37) 1,2-Dichloropropane	6.82	63	162362	46.015	ug/L	100
38) Bromodichloromethane	7.13	83	229415	46.506	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	250268	45.744	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	558793	97.286	ug/L	100
42) Toluene	7.99	91	644905	47.575	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	235005	45.494	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	153945	47.917	ug/L	97
46) Tetrachloroethene	8.57	164	115535	48.212	ug/L	99
48) 2-Hexanone	8.71	43	442574	97.775	ug/L	98
49) Dibromochloromethane	8.83	129	182988	48.413	ug/L	99
50) 1,2-Dibromoethane	8.95	107	164635	47.485	ug/L	99
51) Chlorobenzene	9.47	112	407276	47.775	ug/L	98
52) Ethylbenzene	9.59	91	733946	46.760	ug/L	99
53) m,p-Xylene	9.71	106	267788	48.236	ug/L	96
54) o-xylene	10.12	106	262867	47.926	ug/L	95
55) Styrene	10.13	104	448572	48.226	ug/L	98
56) Isopropylbenzene	10.50	105	723255	47.441	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	279055	47.584	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	238448	48.615	ug/L	100
61) Bromoform	10.31	173	142785	48.997	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	318232	48.121	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	319891	47.860	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	327946	48.553	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	73601	49.426	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	223303	46.333	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	175622	46.666	ug/L	99
69) Naphthalene	14.11	128	260425	45.630	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	188137	47.638	ug/L	97

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

