

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037825.D
 Acq On : 21 Apr 2020 14:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Apr 22 02:04:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 21 14:28:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	516055	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	499152	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	248750	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	224450	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.32%
7) Chloroethane-d5	1.93	69	186765	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.24%
11) 1,1-Dichloroethene-d2	2.59	63	376772	48.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.62%
21) 2-Butanone-d5	4.66	46	372824	99.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.01%
24) Chloroform-d	5.10	84	363684	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.74	65	252321	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
32) Benzene-d6	5.76	84	763361	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
36) 1,2-Dichloropropane-d6	6.72	67	255591	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.24%
41) Toluene-d8	7.92	98	700016	49.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.94%
43) trans-1,3-Dichloropropene-	8.20	79	129499	49.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.42%
47) 2-Hexanone-d5	8.65	63	274986	101.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.13%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	352671	49.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.52%
64) 1,2-Dichlorobenzene-d4	12.20	152	259553	49.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.94%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	214586	47.164	ug/L 98
3) Chloromethane	1.54	50	229639	50.596	ug/L 99
5) Vinyl chloride	1.62	62	257311	48.414	ug/L 99
6) Bromomethane	1.87	94	105715	51.480	ug/L 98
8) Chloroethane	1.95	64	146505	46.942	ug/L 99
9) Trichlorofluoromethane	2.16	101	278550	47.390	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	158191	46.222	ug/L 98
12) 1,1-Dichloroethene	2.60	96	160087	47.443	ug/L 98
13) Acetone	2.65	43	219384	87.595	ug/L 99
14) Carbon disulfide	2.82	76	540980	48.068	ug/L 100
15) Methyl Acetate	2.98	43	261599	46.874	ug/L 99
16) Methylene chloride	3.08	84	188517	46.535	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	178803	48.015	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	628988	47.448	ug/L 100
19) 1,1-Dichloroethane	3.91	63	365711	47.297	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	200411	48.152	ug/L 99
22) 2-Butanone	4.74	43	387909	94.253	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	96651	48.354	ug/L	95
25) Chloroform	5.13	83	342574	47.318	ug/L	97
27) 1,2-Dichloroethane	5.83	62	295728	47.382	ug/L	100
29) Cyclohexane	5.42	56	355504	47.399	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	292869	47.878	ug/L	99
31) Carbon tetrachloride	5.56	117	239417	48.652	ug/L	99
33) Benzene	5.81	78	787656	48.144	ug/L	100
34) Trichloroethene	6.57	95	189063	46.811	ug/L	95
35) Methylcyclohexane	6.79	83	332336	47.130	ug/L	98
37) 1,2-Dichloropropane	6.82	63	222332	48.111	ug/L	100
38) Bromodichloromethane	7.13	83	267429	48.087	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	352723	48.457	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	755468	95.830	ug/L	100
42) Toluene	7.99	91	824455	47.586	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	342613	48.970	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	191907	48.059	ug/L	99
46) Tetrachloroethene	8.57	164	137625	47.435	ug/L	98
48) 2-Hexanone	8.71	43	588518	94.104	ug/L	100
49) Dibromochloromethane	8.83	129	201411	48.449	ug/L	99
50) 1,2-Dibromoethane	8.94	107	207626	48.441	ug/L	97
51) Chlorobenzene	9.47	112	512956	47.410	ug/L	98
52) Ethylbenzene	9.59	91	928661	47.794	ug/L	99
53) m,p-Xylene	9.71	106	351165	47.657	ug/L	97
54) o-xylene	10.12	106	343938	48.034	ug/L	97
55) Styrene	10.13	104	596700	48.084	ug/L	100
56) Isopropylbenzene	10.50	105	911567	47.913	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	344470	48.414	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	289191	46.954	ug/L	99
61) Bromoform	10.31	173	152820	49.057	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	402167	47.798	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	405985	47.789	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	394782	47.562	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	89356	49.257	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	288690	47.264	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	284089	48.894	ug/L	100
69) Naphthalene	14.11	128	1023265	49.998	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	281140	48.624	ug/L	99

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

