

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041320\
 Data File : VU037681.D
 Acq On : 13 Apr 2020 10:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Apr 14 02:07:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 13 04:10:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	622154	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	592895	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	298905	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	192248	35.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.70%
7) Chloroethane-d5	1.93	69	167441	38.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.18%
11) 1,1-Dichloroethene-d2	2.59	63	363192	40.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.96%
21) 2-Butanone-d5	4.66	46	339577	77.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.06%
24) Chloroform-d	5.10	84	340555	41.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.34%
26) 1,2-Dichloroethane-d4	5.74	65	223705	40.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.58%
32) Benzene-d6	5.76	84	711511	40.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.58%
36) 1,2-Dichloropropane-d6	6.72	67	236708	40.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.54%
41) Toluene-d8	7.93	98	650601	40.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.46%
43) trans-1,3-Dichloropropene-	8.20	79	125534	40.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.00%
47) 2-Hexanone-d5	8.66	63	264924	79.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.69%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	342155	41.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.44%
64) 1,2-Dichlorobenzene-d4	12.21	152	250623	40.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	245929	50.461	ug/L 99
3) Chloromethane	1.54	50	275211	48.283	ug/L 100
5) Vinyl chloride	1.62	62	292493	49.036	ug/L 100
6) Bromomethane	1.87	94	166277	52.966	ug/L 100
8) Chloroethane	1.95	64	174967	49.411	ug/L 98
9) Trichlorofluoromethane	2.16	101	332855	51.673	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	206480	52.648	ug/L 99
12) 1,1-Dichloroethene	2.60	96	201659	50.704	ug/L 97
13) Acetone	2.65	43	258942	99.496	ug/L 99
14) Carbon disulfide	2.82	76	668619	49.075	ug/L 99
15) Methyl Acetate	2.98	43	283755	45.849	ug/L 99
16) Methylene chloride	3.08	84	231834	51.023	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	218505	51.211	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	750706	50.968	ug/L 99
19) 1,1-Dichloroethane	3.91	63	418443	50.024	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	239898	51.135	ug/L 94
22) 2-Butanone	4.75	43	423733	93.022	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	116330	50.879	ug/L	99
25) Chloroform	5.13	83	403769	51.300	ug/L	100
27) 1,2-Dichloroethane	5.83	62	321223	49.343	ug/L	99
29) Cyclohexane	5.42	56	419873	51.498	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	342874	51.021	ug/L	100
31) Carbon tetrachloride	5.56	117	279976	51.321	ug/L	99
33) Benzene	5.81	78	926106	51.327	ug/L	100
34) Trichloroethene	6.57	95	230726	51.946	ug/L	99
35) Methylcyclohexane	6.79	83	414991	52.657	ug/L	98
37) 1,2-Dichloropropane	6.82	63	252224	50.874	ug/L	100
38) Bromodichloromethane	7.14	83	309289	50.677	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	408912	50.391	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	795565	90.353	ug/L	99
42) Toluene	8.00	91	984522	51.366	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	394992	50.216	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	222454	50.287	ug/L	99
46) Tetrachloroethene	8.58	164	174069	52.673	ug/L	98
48) 2-Hexanone	8.71	43	620533	89.252	ug/L	99
49) Dibromochloromethane	8.84	129	236822	49.924	ug/L	100
50) 1,2-Dibromoethane	8.95	107	242430	50.651	ug/L	97
51) Chlorobenzene	9.47	112	611482	51.085	ug/L	100
52) Ethylbenzene	9.59	91	1104155	51.381	ug/L	100
53) m,p-Xylene	9.72	106	420277	51.507	ug/L	98
54) o-xylene	10.12	106	412940	51.027	ug/L	100
55) Styrene	10.13	104	720926	51.379	ug/L	100
56) Isopropylbenzene	10.50	105	1091239	51.788	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	383568	48.559	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	323743	48.067	ug/L	99
61) Bromoform	10.31	173	181727	47.973	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	485964	50.510	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	492363	51.005	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	474987	50.094	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	99731	45.405	ug/L	98
67) 1,3,5-Trichlorobenzene	13.25	180	365521	51.959	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	344207	50.729	ug/L	100
69) Naphthalene	14.12	128	1147218	45.823	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	331832	49.084	ug/L	100

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

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