

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041320\
 Data File : VU037691.D
 Acq On : 13 Apr 2020 18:30
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Apr 14 03:31:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 14 03:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	667220	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	635507	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	308652	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	212447	36.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.84%
7) Chloroethane-d5	1.93	69	192799	40.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	2.59	63	395013	41.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.12%
21) 2-Butanone-d5	4.66	46	419142	88.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.69%
24) Chloroform-d	5.10	84	395260	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.18%
26) 1,2-Dichloroethane-d4	5.74	65	261482	43.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.82%
32) Benzene-d6	5.76	84	814828	43.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.16%
36) 1,2-Dichloropropane-d6	6.72	67	279123	44.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.70%
41) Toluene-d8	7.92	98	739468	42.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.32%
43) trans-1,3-Dichloropropene-	8.20	79	141737	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.26%
47) 2-Hexanone-d5	8.65	63	318830	89.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.48%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	397382	45.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	280687	43.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	246269	47.118	ug/L 100
3) Chloromethane	1.54	50	294999	48.259	ug/L 100
5) Vinyl chloride	1.62	62	302081	47.223	ug/L 100
6) Bromomethane	1.87	94	160536	47.683	ug/L 98
8) Chloroethane	1.95	64	183048	48.201	ug/L 99
9) Trichlorofluoromethane	2.16	101	332465	48.126	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	202087	48.048	ug/L 100
12) 1,1-Dichloroethene	2.60	96	203815	47.784	ug/L 96
13) Acetone	2.66	43	244202	87.494	ug/L 100
14) Carbon disulfide	2.82	76	664938	45.508	ug/L 100
15) Methyl Acetate	2.98	43	307688	46.358	ug/L 100
16) Methylene chloride	3.08	84	237503	48.740	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	220748	48.242	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	777104	49.196	ug/L 100
19) 1,1-Dichloroethane	3.91	63	439210	48.960	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	244308	48.558	ug/L 98
22) 2-Butanone	4.75	43	438632	89.789	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	118142	48.181	ug/L	98
25) Chloroform	5.13	83	410895	48.679	ug/L	99
27) 1,2-Dichloroethane	5.83	62	338513	48.487	ug/L	99
29) Cyclohexane	5.42	56	426473	48.800	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	356157	49.444	ug/L	99
31) Carbon tetrachloride	5.56	117	285508	48.826	ug/L	99
33) Benzene	5.81	78	961930	49.738	ug/L	100
34) Trichloroethene	6.57	95	232898	48.919	ug/L	98
35) Methylcyclohexane	6.79	83	403511	47.768	ug/L	99
37) 1,2-Dichloropropane	6.82	63	263617	49.607	ug/L	100
38) Bromodichloromethane	7.13	83	320855	49.047	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	421212	48.426	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	869290	92.106	ug/L	100
42) Toluene	7.99	91	1013922	49.353	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	400969	47.558	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	230828	48.682	ug/L	99
46) Tetrachloroethene	8.57	164	167988	47.424	ug/L	98
48) 2-Hexanone	8.71	43	671463	90.102	ug/L	99
49) Dibromochloromethane	8.83	129	241592	47.515	ug/L	97
50) 1,2-Dibromoethane	8.94	107	248780	48.493	ug/L	98
51) Chlorobenzene	9.47	112	619764	48.305	ug/L	100
52) Ethylbenzene	9.59	91	1123919	48.794	ug/L	99
53) m,p-Xylene	9.71	106	430690	49.244	ug/L	100
54) o-xylene	10.12	106	418710	48.271	ug/L	100
55) Styrene	10.13	104	730484	48.570	ug/L	98
56) Isopropylbenzene	10.50	105	1098307	48.628	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	402112	47.493	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	337644	46.770	ug/L	99
61) Bromoform	10.31	173	184249	47.102	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	479132	48.227	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	483212	48.477	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	474644	48.477	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	101960	44.954	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	341492	47.010	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	332423	47.445	ug/L	99
69) Naphthalene	14.11	128	1167347	45.155	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	323865	46.392	ug/L	98

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

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