

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020620\
 Data File : VU036682.D
 Acq On : 06 Feb 2020 12:41
 Operator : JC/MD
 Sample : VSTD10034
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100104

Quant Time: Feb 07 04:32:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 04:29:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	266684	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	252212	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	121668	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	183300	76.72	ug/L	0.00
7) Chloroethane-d5	1.92	69	167062	74.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	346609	86.72	ug/L	0.00
21) 2-Butanone-d5	4.67	46	325640	233.60	ug/L	0.00
24) Chloroform-d	5.11	84	341065	89.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	225441	93.95	ug/L	0.00
32) Benzene-d6	5.77	84	690530	97.30	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	229619	99.11	ug/L	0.00
41) Toluene-d8	7.93	98	639669	97.26	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	112720	102.25	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	266932	267.72	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	343344	103.16	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	224264	92.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	184869	73.923	ug/L 100
3) Chloromethane	1.54	50	216206	81.338	ug/L 100
5) Vinyl chloride	1.62	62	230426	80.305	ug/L 100
6) Bromomethane	1.86	94	143978	72.312	ug/L 97
8) Chloroethane	1.94	64	143440	69.328	ug/L 100
9) Trichlorofluoromethane	2.15	101	278826	76.340	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	166126	90.570	ug/L 99
12) 1,1-Dichloroethene	2.60	96	162526	89.293	ug/L 95
13) Acetone	2.66	43	296185	219.342	ug/L 99
14) Carbon disulfide	2.82	76	490735	86.326	ug/L 100
15) Methyl Acetate	2.98	43	228576	103.340	ug/L 99
16) Methylene chloride	3.08	84	195772	93.627	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	174094	92.002	ug/L 99
18) Methyl tert-butyl Ether	3.41	73	600190	103.630	ug/L 100
19) 1,1-Dichloroethane	3.92	63	343289	93.683	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	199382	95.096	ug/L 99
22) 2-Butanone	4.75	43	370277	227.133	ug/L 99
23) Bromochloromethane	5.02	128	92010	86.783	ug/L 99
25) Chloroform	5.13	83	330498	87.295	ug/L 98
27) 1,2-Dichloroethane	5.83	62	280773	94.857	ug/L 100
29) Cyclohexane	5.43	56	322278	113.087	ug/L 100
30) 1,1,1-Trichloroethane	5.36	97	270908	89.237	ug/L 100
31) Carbon tetrachloride	5.56	117	219655	82.786	ug/L 100
33) Benzene	5.82	78	759683	98.654	ug/L 100
34) Trichloroethene	6.58	95	190957	94.433	ug/L 99
35) Methylcyclohexane	6.80	83	338317	112.027	ug/L 99
37) 1,2-Dichloropropane	6.83	63	205413	97.790	ug/L 99
38) Bromodichloromethane	7.14	83	254151	94.620	ug/L 98
39) cis-1,3-Dichloropropene	7.64	75	338860	108.243	ug/L 100
40) 4-Methyl-2-pentanone	7.83	43	654671	237.856	ug/L 99

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42) Toluene	8.00	91	829427	102.068	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	298036	104.907	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	185179	93.720	ug/L	98
46) Tetrachloroethene	8.58	164	130538	84.582	ug/L	98
48) 2-Hexanone	8.72	43	538328	253.981	ug/L	100
49) Dibromochloromethane	8.84	129	189144	87.896	ug/L	99
50) 1,2-Dibromoethane	8.95	107	199707	96.897	ug/L	99
51) Chlorobenzene	9.47	112	499052	95.297	ug/L	100
52) Ethylbenzene	9.60	91	922618	107.029	ug/L	100
53) m,p-Xylene	9.72	106	342754	107.073	ug/L	99
54) o-xylene	10.13	106	336920	106.889	ug/L	100
55) Styrene	10.14	104	580742	109.100	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	344708	102.780	ug/L	99
59) Bromoform	10.32	173	136458	89.373	ug/L	99
60) 1,2,3-Trichloropropane	10.85	75	274502	107.838	ug/L	99
61) Isopropylbenzene	10.51	105	888239	113.694	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	775298	121.538	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	772591	122.296	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	379483	100.434	ug/L	100
65) 1,4-Dichlorobenzene	11.86	146	376486	97.477	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	375669	97.752	ug/L	98
68) 1,2-Dibromo-3-chloropropan	13.01	75	83325	116.323	ug/L	97
69) 1,3,5-Trichlorobenzene	13.23	180	267910	95.390	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	235255	101.460	ug/L	100
71) Naphthalene	14.10	128	871283	121.906	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	230806	96.344	ug/L	99

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

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