

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037823.D
 Acq On : 21 Apr 2020 13:47
 Operator : JC/MD
 Sample : VSTD20036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20036

Quant Time: Apr 21 14:04:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 21 13:31:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	496988	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	496853	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	260066	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	880993	202.78	ug/L	0.00
7) Chloroethane-d5	1.92	69	711364	202.60	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.59	63	1492672	210.83	ug/L	0.00
21) 2-Butanone-d5	4.66	46	1465065	416.20	ug/L	0.00
24) Chloroform-d	5.10	84	1449259	221.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	976556	220.17	ug/L	0.00
32) Benzene-d6	5.76	84	2996818	205.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	1008010	207.17	ug/L	0.00
41) Toluene-d8	7.92	98	2773212	204.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	520626	197.94	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	1119455	401.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1478431	215.11	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	1070635	197.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	841518	216.153	ug/L 97
3) Chloromethane	1.54	50	879275	193.112	ug/L 99
5) Vinyl chloride	1.62	62	1010117	211.995	ug/L 99
6) Bromomethane	1.85	94	438385	174.813	ug/L 98
8) Chloroethane	1.94	64	573012	202.573	ug/L 99
9) Trichlorofluoromethane	2.15	101	1096409	213.075	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	630764	201.338	ug/L 99
12) 1,1-Dichloroethene	2.60	96	634327	199.658	ug/L 98
13) Acetone	2.66	43	848538	408.155	ug/L 99
14) Carbon disulfide	2.82	76	2098809	192.843	ug/L 100
15) Methyl Acetate	2.98	43	1031571	208.657	ug/L 100
16) Methylene chloride	3.08	84	743705	204.899	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	689377	202.261	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	2490802	211.698	ug/L 100
19) 1,1-Dichloroethane	3.91	63	1438004	215.204	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	780931	208.381	ug/L 97
22) 2-Butanone	4.75	43	1516308	416.707	ug/L 100
23) Bromochloromethane	5.02	128	371670	203.494	ug/L 98
25) Chloroform	5.13	83	1330820	211.667	ug/L 98
27) 1,2-Dichloroethane	5.83	62	1145086	220.196	ug/L 100
29) Cyclohexane	5.42	56	1397031	204.468	ug/L 100
30) 1,1,1-Trichloroethane	5.35	97	1159312	205.855	ug/L 99
31) Carbon tetrachloride	5.56	117	952896	208.433	ug/L 99
33) Benzene	5.81	78	3073884	203.294	ug/L 100
34) Trichloroethene	6.57	95	757494	203.509	ug/L 99
35) Methylcyclohexane	6.79	83	1322264	200.211	ug/L 99
37) 1,2-Dichloropropane	6.82	63	867030	208.687	ug/L 100
38) Bromodichloromethane	7.13	83	1072744	209.744	ug/L 99
39) cis-1,3-Dichloropropene	7.63	75	1425613	209.639	ug/L 99
40) 4-Methyl-2-pentanone	7.82	43	3084759	418.060	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	3308075	205.956	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	1376059	208.756	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	758932	204.725	ug/L	99
46) Tetrachloroethene	8.57	164	553340	199.805	ug/L	99
48) 2-Hexanone	8.71	43	2416941	414.830	ug/L	100
49) Dibromochloromethane	8.83	129	828151	208.328	ug/L	99
50) 1,2-Dibromoethane	8.95	107	827164	206.227	ug/L	99
51) Chlorobenzene	9.47	112	2084169	207.776	ug/L	98
52) Ethylbenzene	9.59	91	3808599	211.490	ug/L	99
53) m,p-Xylene	9.71	106	1425881	208.527	ug/L	98
54) o-xylene	10.12	106	1413773	208.469	ug/L	100
55) Styrene	10.13	104	2485692	211.396	ug/L	99
56) Isopropylbenzene	10.50	105	3751695	212.464	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	1407131	212.576	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	1200211	212.646	ug/L	99
61) Bromoform	10.31	173	658344	199.745	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	1690490	201.945	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	1695092	201.825	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	1658975	201.093	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	375179	196.319	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	1251004	204.387	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	1196442	202.664	ug/L	100
69) Naphthalene	14.11	128	4154586	190.728	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	1173514	199.506	ug/L	99

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

