

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
 Data File : VU031524.D
 Acq On : 26 Apr 2019 11:48
 Operator : JC/SP
 Sample : VSTD20053
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20053

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 10:52:34 AM

Quant Time: Apr 27 00:09:50 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Apr 26 23:29:35 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	777012	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	723696	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	343748	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	1218247	192.20	ug/L	0.00
7) Chloroethane-d5	1.68	69	948543	196.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	2454734	217.09	ug/L	0.00
21) 2-Butanone-d5	4.19	46	2526865	507.27	ug/L	0.00
24) Chloroform-d	4.64	84	2314882	222.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	1485205	233.37	ug/L	0.00
32) Benzene-d6	5.34	84	4542769	215.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	1594851	231.20	ug/L	0.00
41) Toluene-d8	7.56	98	4071482	216.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	743452	237.82	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	1610001	481.51	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2124678	228.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	1403007	198.57	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1532930	255.187	ug/L	99
3) Chloromethane	1.32	50	1834853	241.273	ug/L	100
5) Vinyl chloride	1.40	62	1740388	236.453	ug/L	99
6) Bromomethane	1.63	94	909391	218.278	ug/L	99
8) Chloroethane	1.70	64	926293	222.865	ug/L	98
9) Trichlorofluoromethane	1.88	101	1975084	227.692	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	1108469	222.414	ug/L	100
12) 1,1-Dichloroethene	2.28	96	1097299	223.923	ug/L	96
13) Acetone	2.34	43	2071804	490.856	ug/L	98
14) Carbon disulfide	2.47	76	3607523	238.536	ug/L	99
15) Methyl Acetate	2.62	43	1840914	250.585	ug/L	98
16) Methylene chloride	2.70	84	1274857	225.910	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	1165116	230.393	ug/L	99
18) Methyl tert-butyl Ether	2.99	73	3994248	240.160	ug/L	99
19) 1,1-Dichloroethane	3.44	63	2467388	242.820	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	1312944m	229.345	ug/L	
22) 2-Butanone	4.27	43	2868689	544.554	ug/L	98
23) Bromochloromethane	4.54	128	610569	214.819	ug/L	93
25) Chloroform	4.67	83	2320289	238.419	ug/L	100
27) 1,2-Dichloroethane	5.40	62	1887726	254.177	ug/L	98
29) Cyclohexane	4.99	56	2405808	263.229	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	1933802	241.193	ug/L	99
31) Carbon tetrachloride	5.13	117	1674141	243.856	ug/L	99
33) Benzene	5.39	78	5242643	241.184	ug/L	100
34) Trichloroethene	6.18	95	1278866	225.381	ug/L	99
35) Methylcyclohexane	6.41	83	2078343	249.435	ug/L	99
37) 1,2-Dichloropropane	6.43	63	1460543	248.430	ug/L	99
38) Bromodichloromethane	6.75	83	1765496	246.187	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	2236797	264.391	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	4771143	532.492	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	5343533	239.064	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	1958597	263.108	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	1207008	228.656	ug/L	99
46) Tetrachloroethene	8.22	164	872388	221.809	ug/L	96
48) 2-Hexanone	8.36	43	3865732	545.723	ug/L	99
49) Dibromochloromethane	8.47	129	1294292	232.659	ug/L	100
50) 1,2-Dibromoethane	8.58	107	1277491	232.356	ug/L	99
51) Chlorobenzene	9.12	112	3084955	225.409	ug/L	99
52) Ethylbenzene	9.25	91	5769308	242.172	ug/L	100
53) m,p-Xylene	9.37	106	2067000	241.836	ug/L	98
54) o-xylene	9.77	106	2019206	234.097	ug/L	98
55) Styrene	9.79	104	3516420	242.170	ug/L	99
56) Isopropylbenzene	10.16	105	5313188	239.172	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	2152789	236.071	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	1695604	237.439	ug/L	99
61) Bromoform	9.95	173	941546	217.102	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	2212915	216.787	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	2253464	220.199	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	2255348	214.504	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	522083	254.938	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	1680519	224.719	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	1499957	249.594	ug/L	99
69) Naphthalene	13.74	128	5289280	253.645	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	1531235	234.423	ug/L	100

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

