

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
 Data File : VU032771.D
 Acq On : 17 Jun 2019 10:38
 Operator : JC/SP
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00531

Manual Integrations
 APPROVED

MMDadoda
 6/18/2019 11:27:46 AM

Quant Time: Jun 18 01:43:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 01:34:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	227028	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	215914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109416	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	7770	5.21	ug/L	0.00
7) Chloroethane-d5	1.68	69	6055	5.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	15208	5.19	ug/L	0.00
21) 2-Butanone-d5	4.17	46	11915	9.64	ug/L	0.00
24) Chloroform-d	4.64	84	14014	5.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	9647	5.39	ug/L	0.00
32) Benzene-d6	5.34	84	26811	4.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	8587	4.83	ug/L	0.00
41) Toluene-d8	7.56	98	24554	4.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	4219	4.93	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	7317	8.72	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	13274	5.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	10859	5.17	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	11621	5.526 ug/L	99
3) Chloromethane	1.32	50	10413	5.216 ug/L	92
5) Vinyl chloride	1.40	62	10172	5.081 ug/L	100
6) Bromomethane	1.62	94	5735	4.841 ug/L	97
8) Chloroethane	1.69	64	5929	5.014 ug/L	97
9) Trichlorofluoromethane	1.88	101	14300	5.238 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	7614	5.374 ug/L	99
12) 1,1-Dichloroethene	2.28	96	7051	5.162 ug/L	84
13) Acetone	2.32	43	19496	14.279 ug/L	99
14) Carbon disulfide	2.47	76	23193	5.555 ug/L	100
15) Methyl Acetate	2.61	43	9860	5.371 ug/L	99
16) Methylene chloride	2.69	84	8190	5.228 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	7985	5.407 ug/L	95
18) Methyl tert-butyl Ether	2.99	73	23713	4.892 ug/L	99
19) 1,1-Dichloroethane	3.44	63	14248	5.219 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	7978	4.796 ug/L	96
22) 2-Butanone	4.27	43	17297m	11.077 ug/L	
23) Bromochloromethane	4.54	128	3961	4.574 ug/L	94
25) Chloroform	4.67	83	14928	5.306 ug/L	98
27) 1,2-Dichloroethane	5.40	62	12119	5.381 ug/L	95
29) Cyclohexane	4.98	56	12410	4.837 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	13174	5.325 ug/L	99
31) Carbon tetrachloride	5.13	117	11581	5.096 ug/L	94
33) Benzene	5.38	78	31216	5.114 ug/L	100
34) Trichloroethene	6.18	95	8645	5.217 ug/L	97
35) Methylcyclohexane	6.41	83	12386	4.644 ug/L	97
37) 1,2-Dichloropropane	6.43	63	8490	5.190 ug/L	# 97
38) Bromodichloromethane	6.75	83	10830	5.120 ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	12335	4.809 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	25947	10.005 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.63	91	32567	4.877	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	11783	5.125	ug/L	93
45) 1,1,2-Trichloroethane	8.06	97	7679	5.012	ug/L	97
46) Tetrachloroethene	8.22	164	6741	4.937	ug/L	93
48) 2-Hexanone	8.36	43	23031	10.631	ug/L	100
49) Dibromochloromethane	8.47	129	8913	4.968	ug/L	100
50) 1,2-Dibromoethane	8.58	107	8416	4.882	ug/L #	99
51) Chlorobenzene	9.11	112	22638	5.259	ug/L	98
52) Ethylbenzene	9.24	91	35457	4.775	ug/L	100
53) m,p-Xylene	9.37	106	13494	4.787	ug/L	100
54) o-xylene	9.77	106	12678	4.539	ug/L	96
55) Styrene	9.79	104	21125	4.506	ug/L	96
56) Isopropylbenzene	10.16	105	33853	4.593	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	13893	5.273	ug/L	93
59) 1,2,3-Trichloropropane	10.49	75	11023	5.210	ug/L	96
61) Bromoform	9.95	173	7186	5.409	ug/L	94
62) 1,3-Dichlorobenzene	11.41	146	18069	5.445	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	19043	5.573	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	18006	5.358	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	3012	5.244	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	14249	5.489	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	11406m	5.191	ug/L	
69) Naphthalene	13.75	128	30134	4.372	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.99	180	13206	5.737	ug/L	96

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

