

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
 Data File : VU030337.D
 Acq On : 23 Mar 2019 13:27
 Operator : JC/SP
 Sample : VSTD00545
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

Manual Integrations
 APPROVED

MMDadoda
 3/24/2019 12:35:51 PM

Quant Time: Mar 24 01:50:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Mar 24 01:42:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	427537	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	405786	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	185089	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	16968	5.64	ug/L	0.00
7) Chloroethane-d5	1.68	69	13231	5.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	33237	5.97	ug/L	0.00
21) 2-Butanone-d5	4.19	46	27290m	11.37	ug/L	0.02
24) Chloroform-d	4.65	84	28406	5.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	19630	6.11	ug/L	0.00
32) Benzene-d6	5.34	84	55864	5.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	18225	5.26	ug/L	0.00
41) Toluene-d8	7.56	98	48376	4.74	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	8724	5.22	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	18010	9.90	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26819	5.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	18919	5.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	26947	6.971 ug/L	99
3) Chloromethane	1.33	50	30618	7.852 ug/L	97
5) Vinyl chloride	1.40	62	28444	7.123 ug/L	99
6) Bromomethane	1.63	94	13227	6.392 ug/L	99
8) Chloroethane	1.70	64	15918	6.814 ug/L	96
9) Trichlorofluoromethane	1.89	101	30333	6.197 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17617	6.000 ug/L	96
12) 1,1-Dichloroethene	2.28	96	17004	5.853 ug/L	99
13) Acetone	2.32	43	39323	15.798 ug/L	99
14) Carbon disulfide	2.48	76	57172	6.443 ug/L	100
15) Methyl Acetate	2.62	43	26078	7.145 ug/L #	100
16) Methylene chloride	2.70	84	20082	6.036 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	18135	5.901 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	57644	6.342 ug/L	99
19) 1,1-Dichloroethane	3.44	63	36508	6.672 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	19995	5.934 ug/L	98
22) 2-Butanone	4.27	43	38749	13.099 ug/L	99
23) Bromochloromethane	4.55	128	9256	5.280 ug/L	98
25) Chloroform	4.67	83	34971	6.252 ug/L	97
27) 1,2-Dichloroethane	5.40	62	27132	6.670 ug/L	97
29) Cyclohexane	4.99	56	33214	6.970 ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	28643	6.395 ug/L	95
31) Carbon tetrachloride	5.13	117	24068	6.091 ug/L	99
33) Benzene	5.39	78	77689	6.403 ug/L	100
34) Trichloroethene	6.19	95	20040	6.352 ug/L	93
35) Methylcyclohexane	6.41	83	30978	6.249 ug/L	98
37) 1,2-Dichloropropane	6.43	63	22191	6.990 ug/L #	94
38) Bromodichloromethane	6.76	83	26219	6.550 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	28519	5.698 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	72684	15.750 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	78818	6.031	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	24802	5.714	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	18900	6.052	ug/L	95
46) Tetrachloroethene	8.22	164	13452	5.240	ug/L	90
48) 2-Hexanone	8.36	43	61218	16.015	ug/L	98
49) Dibromochloromethane	8.47	129	18608	5.376	ug/L	94
50) 1,2-Dibromoethane	8.58	107	20109	5.845	ug/L	98
51) Chlorobenzene	9.12	112	49951	5.873	ug/L	96
52) Ethylbenzene	9.25	91	84254	5.926	ug/L	99
53) m,p-Xylene	9.37	106	31198	5.805	ug/L	98
54) o-xylene	9.78	106	29392	5.553	ug/L	93
55) Styrene	9.79	104	49584	5.508	ug/L	94
56) Isopropylbenzene	10.16	105	78276	5.686	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	34336	6.327	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	27411	6.503	ug/L	99
61) Bromoform	9.96	173	13770	5.735	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	35600	5.999	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	37415	6.084	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	35655	5.893	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	7578	7.016	ug/L	85
67) 1,3,5-Trichlorobenzene	12.89	180	25199	5.468	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	21842	5.369	ug/L	99
69) Naphthalene	13.75	128	94143	7.223	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	24991	5.921	ug/L	98

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

