

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
 Data File : VU026423.D
 Acq On : 29 Aug 2018 14:55
 Operator : MD/SY
 Sample : VSTD01048
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01048

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 11:41:13 AM

Quant Time: Aug 30 02:04:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 01:55:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	147694	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	142318	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	67923	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	9331	10.20	ug/L	0.00
7) Chloroethane-d5	1.68	69	8797	10.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	20411	9.90	ug/L	0.00
21) 2-Butanone-d5	4.18	46	13897	19.57	ug/L	0.00
24) Chloroform-d	4.65	84	17152	9.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	11405	9.91	ug/L	0.00
32) Benzene-d6	5.35	84	32891	10.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	11643	10.33	ug/L	0.00
41) Toluene-d8	7.57	98	30377	9.59	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	4893	9.51	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	8837	17.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	16097	9.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	12275	9.96	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	11409	9.91	ug/L	98
3) Chloromethane	1.33	50	14028	9.87	ug/L	98
5) Vinyl chloride	1.40	62	15092	9.79	ug/L	96
6) Bromomethane	1.63	94	8358	9.15	ug/L	97
8) Chloroethane	1.70	64	8853	9.56	ug/L	97
9) Trichlorofluoromethane	1.89	101	19429	9.91	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	10779	9.85	ug/L	99
12) 1,1-Dichloroethene	2.28	96	10632	10.09	ug/L	96
13) Acetone	2.32	43	14438	23.48	ug/L	99
14) Carbon disulfide	2.48	76	28882	9.68	ug/L	99
15) Methyl Acetate	2.62	43	11895	9.85	ug/L	98
16) Methylene chloride	2.70	84	10469	9.66	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	9138	9.58	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	26837	9.27	ug/L	99
19) 1,1-Dichloroethane	3.45	63	18536	9.89	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	10352	9.69	ug/L	98
22) 2-Butanone	4.27	43	15610	18.88	ug/L	95
23) Bromochloromethane	4.55	128	5380	9.78	ug/L	93
25) Chloroform	4.68	83	19066	9.96	ug/L	100
27) 1,2-Dichloroethane	5.41	62	15088	9.78	ug/L	97
29) Cyclohexane	5.00	56	13910	8.97	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	15284	9.76	ug/L	98
31) Carbon tetrachloride	5.14	117	13850	9.73	ug/L	95
33) Benzene	5.39	78	39509	9.68	ug/L	100
34) Trichloroethene	6.19	95	10093	9.86	ug/L	98
35) Methylcyclohexane	6.42	83	14382	9.00	ug/L	98
37) 1,2-Dichloropropane	6.44	63	10802	9.56	ug/L	98
38) Bromodichloromethane	6.76	83	14544	10.10	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	14309	8.89	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	27437	18.01	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	38924	9.14	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	13867	9.04	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	10013	9.68	ug/L	97
46) Tetrachloroethene	8.23	164	7866	9.40	ug/L	99
48) 2-Hexanone	8.36	43	20715	17.27	ug/L	99
49) Dibromochloromethane	8.48	129	10878	9.33	ug/L	98
50) 1,2-Dibromoethane	8.59	107	10430m	9.47	ug/L	
51) Chlorobenzene	9.12	112	26477	9.30	ug/L	97
52) Ethylbenzene	9.25	91	40897	8.83	ug/L	98
53) m,p-Xylene	9.38	106	14789	8.55	ug/L	97
54) o-xylene	9.78	106	14087	8.36	ug/L	93
55) Styrene	9.80	104	24497	8.32	ug/L	95
56) Isopropylbenzene	10.17	105	36681	8.31	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	16903	9.27	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	13300	9.44	ug/L	100
61) Bromoform	9.96	173	8036	9.59	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	19308	9.71	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	20323	9.67	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	20264	9.67	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	3367	9.55	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	15070	9.40	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	12248	8.74	ug/L	95
69) Naphthalene	13.74	128	36802	8.41	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	14872	9.67	ug/L	96

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

