

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082218\
 Data File : VU026245.D
 Acq On : 22 Aug 2018 13:54
 Operator : MD/SY
 Sample : VSTD00545
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 2:22:47 PM

Quant Time: Aug 23 04:50:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 04:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	300379	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	284547	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	143120	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	8801	4.14	ug/L	0.00
7) Chloroethane-d5	1.68	69	7234	4.26	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	17820	4.41	ug/L	0.00
21) 2-Butanone-d5	4.18	46	13942	7.91	ug/L	0.00
24) Chloroform-d	4.65	84	19517	4.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	13431	4.39	ug/L	0.00
32) Benzene-d6	5.35	84	36329	4.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	12146	4.37	ug/L	0.00
41) Toluene-d8	7.57	98	34037	4.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	5880	4.17	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	8554	6.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	17457	4.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	16878	4.92	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	10465	4.02	ug/L	95
3) Chloromethane	1.33	50	9678	4.12	ug/L	98
5) Vinyl chloride	1.40	62	10325	4.57	ug/L	93
6) Bromomethane	1.63	94	6174	4.96	ug/L	95
8) Chloroethane	1.70	64	5610	4.12	ug/L	94
9) Trichlorofluoromethane	1.89	101	14002	4.29	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	8266	4.42	ug/L	97
12) 1,1-Dichloroethene	2.29	96	7120	4.15	ug/L	99
13) Acetone	2.32	43	11013	9.55	ug/L	100
14) Carbon disulfide	2.48	76	31744	5.47	ug/L	99
15) Methyl Acetate	2.62	43	9976	4.22	ug/L	96
16) Methylene chloride	2.70	84	9987	4.48	ug/L	92
17) trans-1,2-Dichloroethene	2.99	96	9572	4.92	ug/L	94
18) Methyl tert-butyl Ether	3.00	73	24481	3.86	ug/L	97
19) 1,1-Dichloroethane	3.45	63	15223	4.02	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	9481	4.24	ug/L	97
22) 2-Butanone	4.27	43	13325	8.15	ug/L	94
23) Bromochloromethane	4.55	128	4967m	4.16	ug/L	
25) Chloroform	4.68	83	17175	4.38	ug/L	93
27) 1,2-Dichloroethane	5.41	62	13340	4.15	ug/L	96
29) Cyclohexane	5.00	56	12281	3.87	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	14804	4.12	ug/L	98
31) Carbon tetrachloride	5.14	117	14552	4.43	ug/L	91
33) Benzene	5.39	78	34402	4.22	ug/L	100
34) Trichloroethene	6.19	95	9825	4.63	ug/L	91
35) Methylcyclohexane	6.42	83	13581	4.16	ug/L	99
37) 1,2-Dichloropropane	6.44	63	9884	4.43	ug/L	# 88
38) Bromodichloromethane	6.76	83	12747	4.30	ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	13431	4.00	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	22161	7.38	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	35187	4.07	ug/L	99
44) trans-1,3-Dichloropropene	7.89	75	12754	3.97	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	8731	4.13	ug/L	95
46) Tetrachloroethene	8.23	164	8581	4.74	ug/L	98
48) 2-Hexanone	8.37	43	19248	8.16	ug/L	90
49) Dibromochloromethane	8.48	129	10601	4.14	ug/L	93
50) 1,2-Dibromoethane	8.59	107	9699	4.19	ug/L	97
51) Chlorobenzene	9.12	112	26370	4.53	ug/L	98
52) Ethylbenzene	9.25	91	37605	3.98	ug/L	97
53) m,p-Xylene	9.38	106	14232	3.93	ug/L	97
54) o-xylene	9.78	106	13034	3.64	ug/L	100
55) Styrene	9.80	104	22012	3.67	ug/L	97
56) Isopropylbenzene	10.17	105	33935	3.69	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	14756	4.10	ug/L #	92
59) 1,2,3-Trichloropropane	10.50	75	11699	4.11	ug/L	99
61) Bromoform	9.96	173	7880	4.07	ug/L	94
62) 1,3-Dichlorobenzene	11.42	146	20686	4.62	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	22805	4.87	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	20844	4.39	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	3398	4.10	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	16376	4.87	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	14354	5.01	ug/L	99
69) Naphthalene	13.75	128	33473	3.67	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	14605	4.76	ug/L	99

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

