

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021519\
 Data File : VU029487.D
 Acq On : 15 Feb 2019 10:21
 Operator : JC/SP
 Sample : VSTD00541
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 1:55:13 AM

Quant Time: Feb 15 22:43:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 15 22:27:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	407579	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	391718	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194735	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	13693	4.31	ug/L	0.00
7) Chloroethane-d5	1.68	69	12451	4.93	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	28020	5.01	ug/L	0.00
21) 2-Butanone-d5	4.19	46	14072	6.49	ug/L	0.02
24) Chloroform-d	4.65	84	20822	4.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	14166	4.55	ug/L	0.00
32) Benzene-d6	5.34	84	46142	4.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	13596	3.81	ug/L	0.00
41) Toluene-d8	7.56	98	45364	4.59	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6561	4.01	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	13373	7.75	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	21165	4.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	19828	5.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	14606	4.565	ug/L 98
3) Chloromethane	1.33	50	12560	3.076	ug/L 97
5) Vinyl chloride	1.40	62	16357	4.266	ug/L 84
6) Bromomethane	1.62	94	6956	4.218	ug/L 91
8) Chloroethane	1.70	64	11365	5.086	ug/L 89
9) Trichlorofluoromethane	1.88	101	27276	6.362	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	14156	5.262	ug/L 96
12) 1,1-Dichloroethene	2.28	96	13880	5.236	ug/L 91
13) Acetone	2.32	43	21462	9.638	ug/L 98
14) Carbon disulfide	2.48	76	36349	4.180	ug/L 99
15) Methyl Acetate	2.61	43	12700	3.737	ug/L 95
16) Methylene chloride	2.70	84	13754	4.445	ug/L 95
17) trans-1,2-Dichloroethene	2.98	96	12607	4.589	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	38599	4.564	ug/L 99
19) 1,1-Dichloroethane	3.44	63	21682	4.150	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	14467	4.642	ug/L 99
22) 2-Butanone	4.27	43	21594	8.028	ug/L # 70
23) Bromochloromethane	4.55	128	7819	5.092	ug/L 94
25) Chloroform	4.67	83	25557	5.001	ug/L 99
27) 1,2-Dichloroethane	5.41	62	18067	4.717	ug/L 98
29) Cyclohexane	4.99	56	19844	4.058	ug/L 97
30) 1,1,1-Trichloroethane	4.91	97	21823	5.301	ug/L 97
31) Carbon tetrachloride	5.13	117	19232	5.657	ug/L 98
33) Benzene	5.39	78	49419	4.151	ug/L 100
34) Trichloroethene	6.18	95	13226	4.496	ug/L 98
35) Methylcyclohexane	6.41	83	23087	4.765	ug/L 99
37) 1,2-Dichloropropane	6.43	63	12981	3.936	ug/L # 95
38) Bromodichloromethane	6.76	83	17382	4.613	ug/L 98
39) cis-1,3-Dichloropropene	7.27	75	19556	4.058	ug/L 99
40) 4-Methyl-2-pentanone	7.46	43	34396	7.723	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	56874	4.601	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	17808	4.133	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	14037	4.781	ug/L	92
46) Tetrachloroethene	8.23	164	13624	5.734	ug/L	96
48) 2-Hexanone	8.36	43	30487	8.290	ug/L	97
49) Dibromochloromethane	8.47	129	15881	5.233	ug/L	96
50) 1,2-Dibromoethane	8.59	107	15052	4.887	ug/L	97
51) Chlorobenzene	9.12	112	39589	4.975	ug/L	97
52) Ethylbenzene	9.25	91	62818	4.669	ug/L	98
53) m,p-Xylene	9.37	106	25150	5.005	ug/L	98
54) o-xylene	9.78	106	24814	4.910	ug/L	98
55) Styrene	9.79	104	39517	4.630	ug/L	94
56) Isopropylbenzene	10.16	105	64535	4.997	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	23418	4.426	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	17523	4.312	ug/L	98
61) Bromoform	9.96	173	12538	5.142	ug/L #	97
62) 1,3-Dichlorobenzene	11.42	146	30126	4.875	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	30587	4.817	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	31754	4.951	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	4213	3.844	ug/L	91
67) 1,3,5-Trichlorobenzene	12.89	180	22858	5.001	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	18492m	4.784	ug/L	
69) Naphthalene	13.75	128	50691m	3.848	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	20840	5.033	ug/L	92

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

