

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032287.D
 Acq On : 24 May 2019 03:57
 Operator : JC/SP
 Sample : VSTD00552
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 12:22:13 PM

Quant Time: May 24 05:16:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 05:08:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	659998	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	665420	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	285378	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	18654	4.50	ug/L	0.00
7) Chloroethane-d5	1.67	69	17371	4.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	37111	4.67	ug/L	0.00
21) 2-Butanone-d5	4.19	46	29915m	10.69	ug/L	0.02
24) Chloroform-d	4.64	84	46391	5.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	28463	5.56	ug/L	0.00
32) Benzene-d6	5.34	84	87427	5.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	28068	5.52	ug/L	0.00
41) Toluene-d8	7.56	98	76144	4.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	11654	4.71	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	16677	7.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	44865	5.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	32479	5.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	23039	4.455 ug/L	98
3) Chloromethane	1.33	50	29698	6.252 ug/L	94
5) Vinyl chloride	1.40	62	25370	4.891 ug/L #	80
6) Bromomethane	1.62	94	22099	6.039 ug/L	89
8) Chloroethane	1.69	64	18897	5.901 ug/L	89
9) Trichlorofluoromethane	1.88	101	31762	4.411 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	17399	4.058 ug/L	94
12) 1,1-Dichloroethene	2.28	96	20704	4.771 ug/L	92
13) Acetone	2.32	43	31343	11.762 ug/L	95
14) Carbon disulfide	2.47	76	66073	5.209 ug/L	99
15) Methyl Acetate	2.62	43	27028	6.549 ug/L	92
16) Methylene chloride	2.70	84	29938	5.761 ug/L	93
17) trans-1,2-Dichloroethene	2.98	96	25022	5.497 ug/L	89
18) Methyl tert-butyl Ether	3.00	73	77111	5.647 ug/L	99
19) 1,1-Dichloroethane	3.44	63	42641	5.412 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	27390	5.242 ug/L	93
22) 2-Butanone	4.27	43	32537	10.418 ug/L	80
23) Bromochloromethane	4.55	128	15675	5.560 ug/L	95
25) Chloroform	4.67	83	48057	5.563 ug/L	95
27) 1,2-Dichloroethane	5.40	62	36682	5.699 ug/L	98
29) Cyclohexane	4.99	56	24854	4.146 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	34753	4.944 ug/L	97
31) Carbon tetrachloride	5.13	117	28652m	4.693 ug/L	
33) Benzene	5.39	78	99625	5.327 ug/L	100
34) Trichloroethene	6.19	95	25031	5.058 ug/L	90
35) Methylcyclohexane	6.41	83	26825	3.726 ug/L	93
37) 1,2-Dichloropropane	6.43	63	24756	5.343 ug/L	98
38) Bromodichloromethane	6.76	83	36134	5.671 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	32536	4.542 ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	61329	11.172 ug/L	94

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

42) Toluene	7.64	91	99595	4.867	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	28007	4.385	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	27875	5.537	ug/L	96
46) Tetrachloroethene	8.22	164	19164	4.801	ug/L	96
48) 2-Hexanone	8.36	43	43645	9.347	ug/L	98
49) Dibromochloromethane	8.47	129	28319	5.277	ug/L	98
50) 1,2-Dibromoethane	8.58	107	29937	5.632	ug/L #	100
51) Chlorobenzene	9.12	112	69557	5.033	ug/L	97
52) Ethylbenzene	9.25	91	100057	4.584	ug/L	95
53) m,p-Xylene	9.37	106	36951	4.316	ug/L	92
54) o-xylene	9.78	106	38035	4.473	ug/L	99
55) Styrene	9.79	104	60845	4.156	ug/L	98
56) Isopropylbenzene	10.16	105	86187	3.987	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	46851	5.530	ug/L	93
59) 1,2,3-Trichloropropane	10.49	75	36202	5.580	ug/L	99
61) Bromoform	9.95	173	23155	6.241	ug/L #	95
62) 1,3-Dichlorobenzene	11.41	146	48370	5.228	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	51383	5.268	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	53905	5.519	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	8233	5.270	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	31943	4.542	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	20308	3.696	ug/L	93
69) Naphthalene	13.75	128	64657m	3.808	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	26334	4.250	ug/L	98

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

