

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032288.D
 Acq On : 24 May 2019 04:20
 Operator : JC/SP
 Sample : VSTD01053
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

Manual Integrations
 APPROVED

MMDadoda

5/24/2019 12:22:20 PM

Quant Time: May 24 05:17:17 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	653096	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	646361	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	274068	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	35226	8.59	ug/L	0.00
7) Chloroethane-d5	1.67	69	33556	9.21	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	68403	8.69	ug/L	0.00
21) 2-Butanone-d5	4.18	46	57836	20.88	ug/L	0.00
24) Chloroform-d	4.64	84	88309	10.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	56217	11.10	ug/L	0.00
32) Benzene-d6	5.34	84	159726	9.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	51429	10.42	ug/L	0.00
41) Toluene-d8	7.56	98	146194	9.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	22031	9.16	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	37391	17.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84556	10.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	58541	10.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	41664	8.141 ug/L	98
3) Chloromethane	1.33	50	53714	11.427 ug/L	100
5) Vinyl chloride	1.40	62	49347	9.614 ug/L	96
6) Bromomethane	1.61	94	40629	11.219 ug/L	100
8) Chloroethane	1.69	64	33377	10.533 ug/L	93
9) Trichlorofluoromethane	1.88	101	62977	8.838 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	37284	8.787 ug/L	96
12) 1,1-Dichloroethene	2.28	96	39116	9.109 ug/L	92
13) Acetone	2.32	43	57605	21.845 ug/L	98
14) Carbon disulfide	2.47	76	117357	9.350 ug/L	98
15) Methyl Acetate	2.61	43	53523	13.105 ug/L	98
16) Methylene chloride	2.70	84	56950	11.075 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	45319	10.061 ug/L	91
18) Methyl tert-butyl Ether	3.00	73	154476	11.432 ug/L	100
19) 1,1-Dichloroethane	3.44	63	81828	10.495 ug/L	94
20) cis-1,2-Dichloroethene	4.22	96	52898	10.231 ug/L	97
22) 2-Butanone	4.27	43	68064	22.023 ug/L	99
23) Bromochloromethane	4.54	128	28337	10.158 ug/L	90
25) Chloroform	4.67	83	91598	10.715 ug/L	100
27) 1,2-Dichloroethane	5.40	62	72079	11.316 ug/L	97
29) Cyclohexane	4.99	56	50083	8.602 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	66219	9.699 ug/L	96
31) Carbon tetrachloride	5.13	117	53547	9.030 ug/L	98
33) Benzene	5.39	78	188494	10.375 ug/L	100
34) Trichloroethene	6.19	95	47021	9.782 ug/L	95
35) Methylcyclohexane	6.41	83	53840	7.700 ug/L	98
37) 1,2-Dichloropropane	6.43	63	50381	11.193 ug/L	# 92
38) Bromodichloromethane	6.75	83	67697	10.939 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	67675	9.726 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	126174	23.662 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	191012	9.610	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	58289	9.395	ug/L	93
45) 1,1,2-Trichloroethane	8.06	97	54021	11.047	ug/L	96
46) Tetrachloroethene	8.22	164	34853	8.989	ug/L	97
48) 2-Hexanone	8.36	43	95975	21.159	ug/L	99
49) Dibromochloromethane	8.47	129	55124	10.576	ug/L	99
50) 1,2-Dibromoethane	8.58	107	56492	10.941	ug/L	96
51) Chlorobenzene	9.12	112	131743	9.814	ug/L	97
52) Ethylbenzene	9.25	91	184115	8.684	ug/L	99
53) m,p-Xylene	9.37	106	70530	8.480	ug/L	97
54) o-xylene	9.77	106	74612	9.034	ug/L	94
55) Styrene	9.79	104	118305	8.319	ug/L	98
56) Isopropylbenzene	10.16	105	168882	8.042	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	89339	10.855	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	71581	11.358	ug/L	98
61) Bromoform	9.95	173	42076	11.808	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	89166	10.035	ug/L	94
63) 1,4-Dichlorobenzene	11.50	146	94261	10.063	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	96002	10.235	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	18015	12.007	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	59967	8.878	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	41792	7.920	ug/L	94
69) Naphthalene	13.74	128	130755m	8.018	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	48905	8.218	ug/L	96

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

