

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091819\
 Data File : VU034618.D
 Acq On : 17 Sep 2019 16:24
 Operator : JC/SP
 Sample : VSTD0.503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 3:21:22 PM

Quant Time: Sep 17 18:08:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 17 17:59:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	145712	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	140524	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	64292	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	5843	0.56	ug/L	0.00
7) Chloroethane-d5	1.67	69	5088	0.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	10388	0.61	ug/L	0.00
20) 2-Butanone-d5	4.22	46	13602m	4.21	ug/L	0.05
24) Chloroform-d	4.62	84	9198	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	5188	0.50	ug/L	0.00
32) Benzene-d6	5.32	84	18589	0.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	6680	0.51	ug/L	0.00
41) Toluene-d8	7.55	98	17507	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	2472	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	10500	3.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	5115	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	6145	0.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5193	0.639 ug/L	100
3) Chloromethane	1.32	50	4996	0.497 ug/L	99
5) Vinyl chloride	1.40	62	5479	0.585 ug/L	96
6) Bromomethane	1.62	94	2962	0.620 ug/L	73
8) Chloroethane	1.69	64	3196	0.584 ug/L	96
9) Trichlorofluoromethane	1.88	101	6944	0.608 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3868	0.621 ug/L	96
12) 1,1-Dichloroethene	2.27	96	3736	0.605 ug/L	92
13) Acetone	2.34	43	12128m	5.669 ug/L	
14) Carbon disulfide	2.46	76	9256	0.582 ug/L	97
15) Methyl Acetate	2.62	43	3200	0.576 ug/L	94
16) Methylene chloride	2.69	84	5959	0.693 ug/L	96
17) Methyl tert-butyl Ether	2.99	73	12007	0.498 ug/L	94
18) trans-1,2-Dichloroethene	2.96	96	3941	0.576 ug/L	94
19) 1,1-Dichloroethane	3.42	63	9121	0.519 ug/L	93
21) 2-Butanone	4.28	43	12415	3.690 ug/L	88
22) cis-1,2-Dichloroethene	4.21	96	4924	0.483 ug/L	76
23) Bromochloromethane	4.53	128	1707	0.409 ug/L	71
25) Chloroform	4.65	83	11162	0.583 ug/L	94
27) 1,2-Dichloroethane	5.39	62	5416	0.486 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	6866	0.487 ug/L	95
30) Cyclohexane	4.96	56	7430	0.619 ug/L	# 89
31) Carbon tetrachloride	5.11	117	5268	0.474 ug/L	93
33) Benzene	5.37	78	17847	0.474 ug/L	100
34) Trichloroethene	6.17	95	4332	0.460 ug/L	94
35) Methylcyclohexane	6.39	83	7524	0.612 ug/L	92
37) 1,2-Dichloropropane	6.41	63	5636	0.507 ug/L	# 92
38) Bromodichloromethane	6.74	83	6487	0.467 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	7619	0.461 ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	40162	4.433 ug/L	99

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

42) Toluene	7.62	91	19177	0.480	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	6202	0.452	ug/L	95
45) 1,1,2-Trichloroethane	8.05	97	3445	0.441	ug/L	92
47) Tetrachloroethene	8.21	164	2636	0.459	ug/L	90
48) 2-Hexanone	8.35	43	25655	4.188	ug/L	96
49) Dibromochloromethane	8.46	129	4173	0.444	ug/L	99
50) 1,2-Dibromoethane	8.57	107	3175	0.432	ug/L #	87
51) Chlorobenzene	9.10	112	12345	0.478	ug/L	90
52) Ethylbenzene	9.23	91	22129	0.487	ug/L	99
53) m,p-Xylene	9.36	106	8005	0.483	ug/L	87
54) o-Xylene	9.76	106	7616	0.449	ug/L	86
55) Styrene	9.77	104	12446	0.432	ug/L	97
56) Isopropylbenzene	10.15	105	22481	0.509	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	5040	0.438	ug/L	96
59) 1,2,3-Trichloropropane	10.48	75	3778	0.481	ug/L	94
61) Bromoform	9.95	173	1909	0.389	ug/L #	91
62) 1,3-Dichlorobenzene	11.40	146	8587	0.447	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	8805	0.459	ug/L	94
65) 1,2-Dichlorobenzene	11.86	146	8563	0.467	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	683	0.373	ug/L	93
67) 1,3,5-Trichlorobenzene	12.87	180	5351	0.415	ug/L	97
68) 1,2,4-trichlorobenzene	13.49	180	4076	0.395	ug/L	90
69) Naphthalene	13.73	128	11732m	0.513	ug/L	
70) 1,2,3-Trichlorobenzene	13.97	180	3645	0.368	ug/L #	95

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

