

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082019\
 Data File : VU033842.D
 Acq On : 20 Aug 2019 10:02
 Operator : JC/SP
 Sample : VSTD0.505
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:57:09 AM

Quant Time: Aug 21 05:16:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 21 05:04:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	172336	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	176618	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	84895	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	7281	0.50	ug/L	0.00
7) Chloroethane-d5	1.67	69	6887	0.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	14459	0.49	ug/L	0.00
20) 2-Butanone-d5	4.18	46	12712	4.37	ug/L	0.02
24) Chloroform-d	4.62	84	11619	0.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	7147	0.54	ug/L	0.00
32) Benzene-d6	5.32	84	19925	0.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	7284	0.51	ug/L	0.00
41) Toluene-d8	7.55	98	17464	0.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	2162	0.39	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	6078	3.08	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.42	84	6039	0.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	7200	0.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	8010	0.513 ug/L	95
3) Chloromethane	1.32	50	7929	0.523 ug/L	97
5) Vinyl chloride	1.39	62	8940	0.524 ug/L	99
6) Bromomethane	1.62	94	5616	0.503 ug/L	96
8) Chloroethane	1.69	64	4927	0.492 ug/L	98
9) Trichlorofluoromethane	1.88	101	10952	0.505 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	6628	0.528 ug/L	98
12) 1,1-Dichloroethene	2.27	96	6279	0.527 ug/L	92
13) Acetone	2.32	43	12495	5.613 ug/L	99
14) Carbon disulfide	2.46	76	21583	0.527 ug/L	98
15) Methyl Acetate	2.61	43	2532	0.454 ug/L #	84
16) Methylene chloride	2.68	84	8106	0.580 ug/L	94
17) Methyl tert-butyl Ether	2.98	73	15500	0.518 ug/L #	89
18) trans-1,2-Dichloroethene	2.96	96	7277	0.554 ug/L	98
19) 1,1-Dichloroethane	3.42	63	9657	0.507 ug/L	99
21) 2-Butanone	4.27	43	10318	4.323 ug/L	94
22) cis-1,2-Dichloroethene	4.20	96	4637	0.449 ug/L	97
23) Bromochloromethane	4.53	128	2490	0.499 ug/L	94
25) Chloroform	4.65	83	13114	0.609 ug/L	98
27) 1,2-Dichloroethane	5.39	62	5835	0.477 ug/L #	93
29) 1,1,1-Trichloroethane	4.89	97	8243	0.515 ug/L	98
30) Cyclohexane	4.97	56	6231	0.461 ug/L	100
31) Carbon tetrachloride	5.11	117	7312	0.507 ug/L	100
33) Benzene	5.37	78	18200	0.470 ug/L	100
34) Trichloroethene	6.17	95	5851	0.563 ug/L	87
35) Methylcyclohexane	6.40	83	6295	0.433 ug/L	92
37) 1,2-Dichloropropane	6.42	63	4950	0.483 ug/L #	92
38) Bromodichloromethane	6.74	83	6694	0.507 ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	5830	0.430 ug/L	91
40) 4-Methyl-2-pentanone	7.45	43	22714	4.182 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082019\
 Data File : VU033842.D
 Acq On : 20 Aug 2019 10:02
 Operator : JC/SP
 Sample : VSTD0.505
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:57:09 AM

Quant Time: Aug 21 05:16:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 21 05:04:59 2019
 Response via : Initial Calibration

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

42) Toluene	7.62	91	16348	0.412	ug/L	96
44) trans-1,3-Dichloropropene	7.87	75	4927	0.435	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	3524	0.480	ug/L	96
47) Tetrachloroethene	8.21	164	4115	0.482	ug/L	98
48) 2-Hexanone	8.36	43	17153	4.322	ug/L #	86
49) Dibromochloromethane	8.46	129	4342	0.474	ug/L	99
50) 1,2-Dibromoethane	8.58	107	3363	0.479	ug/L #	93
51) Chlorobenzene	9.10	112	12927	0.492	ug/L	98
52) Ethylbenzene	9.23	91	15891	0.400	ug/L	94
53) m,p-Xylene	9.36	106	5926	0.397	ug/L	87
54) o-Xylene	9.77	106	5582	0.390	ug/L	95
55) Styrene	9.78	104	8972	0.362	ug/L	96
56) Isopropylbenzene	10.15	105	13536	0.366	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.45	83	4562	0.495	ug/L #	89
59) 1,2,3-Trichloropropane	10.48	75	3342	0.497	ug/L	94
61) Bromoform	9.95	173	2621	0.559	ug/L #	92
62) 1,3-Dichlorobenzene	11.40	146	9139	0.485	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	10242	0.528	ug/L	93
65) 1,2-Dichlorobenzene	11.86	146	9012	0.494	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	598	0.463	ug/L #	88
67) 1,3,5-Trichlorobenzene	12.88	180	7111	0.497	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	4265	0.409	ug/L	87
69) Naphthalene	13.74	128	5496m	0.386	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	3977m	0.406	ug/L	

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

