

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\
 Data File : VU026180.D
 Acq On : 17 Aug 2018 15:46
 Operator : MD/SY
 Sample : VSTD0.540
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.540

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:33:50 AM

Quant Time: Aug 18 00:05:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 17 23:59:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	162783	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	155682	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	73422	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	3394	0.30	ug/L	0.00
7) Chloroethane-d5	1.68	69	2649	0.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	7754	0.37	ug/L	0.00
20) 2-Butanone-d5	4.20	46	9489	3.30	ug/L	0.00
24) Chloroform-d	4.65	84	7990	0.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	4413m	0.41	ug/L	0.00
32) Benzene-d6	5.35	84	14326	0.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	4617	0.34	ug/L	0.00
41) Toluene-d8	7.57	98	13507	0.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	1774	0.38	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	6230	2.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	3872	0.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.87	152	5238	0.35	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	7925	0.60	ug/L	94
3) Chloromethane	1.33	50	7225	0.53	ug/L	95
5) Vinyl chloride	1.40	62	6957	0.52	ug/L	98
6) Bromomethane	1.63	94	3667	0.52	ug/L	96
8) Chloroethane	1.70	64	3967	0.42	ug/L	84
9) Trichlorofluoromethane	1.89	101	9677	0.54	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5080	0.48	ug/L	93
12) 1,1-Dichloroethene	2.29	96	4949	0.50	ug/L	92
13) Acetone	2.33	43	9943	5.83	ug/L	96
14) Carbon disulfide	2.48	76	18028	0.54	ug/L	96
15) Methyl Acetate	2.62	43	2253m	0.43	ug/L	
16) Methylene chloride	2.71	84	7006	0.62	ug/L	89
17) Methyl tert-butyl Ether	3.00	73	11457	0.48	ug/L #	91
18) trans-1,2-Dichloroethene	2.99	96	5770	0.54	ug/L	95
19) 1,1-Dichloroethane	3.45	63	10326	0.50	ug/L	91
21) 2-Butanone	4.28	43	13766	4.64	ug/L	98
22) cis-1,2-Dichloroethene	4.24	96	6868	0.57	ug/L	89
23) Bromochloromethane	4.55	128	3148	0.58	ug/L #	85
25) Chloroform	4.68	83	12028	0.57	ug/L	98
27) 1,2-Dichloroethane	5.41	62	7136	0.56	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	10784	0.62	ug/L	96
30) Cyclohexane	5.00	56	8264	0.46	ug/L	99
31) Carbon tetrachloride	5.14	117	9301	0.61	ug/L	96
33) Benzene	5.39	78	21949	0.48	ug/L	100
34) Trichloroethene	6.19	95	6417	0.53	ug/L	94
35) Methylcyclohexane	6.42	83	8853	0.48	ug/L	96
37) 1,2-Dichloropropane	6.44	63	6646	0.55	ug/L #	99
38) Bromodichloromethane	6.76	83	7659	0.54	ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	7096	0.47	ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	30489	4.61	ug/L	97

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42) Toluene	7.64	91	22236	0.47	ug/L	96
44) trans-1,3-Dichloropropene	7.89	75	6122	0.50	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	4414	0.55	ug/L	94
47) Tetrachloroethene	8.23	164	5691	0.57	ug/L	94
48) 2-Hexanone	8.37	43	20887	4.40	ug/L #	93
49) Dibromochloromethane	8.48	129	5411	0.57	ug/L	94
50) 1,2-Dibromoethane	8.60	107	3739	0.50	ug/L #	90
51) Chlorobenzene	9.12	112	16091	0.52	ug/L	99
52) Ethylbenzene	9.26	91	23051	0.47	ug/L	97
53) m,p-xylene	9.38	106	8179	0.44	ug/L	85
54) o-xylene	9.78	106	7946	0.44	ug/L	95
55) Styrene	9.80	104	12796	0.42	ug/L	98
56) Isopropylbenzene	10.17	105	20051	0.42	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	4838	0.48	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	3674	0.53	ug/L	100
61) Bromoform	9.96	173	2904	0.54	ug/L	93
62) 1,3-Dichlorobenzene	11.42	146	12410	0.54	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	13856	0.59	ug/L	97
65) 1,2-Dichlorobenzene	11.89	146	12203	0.53	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	910	0.63	ug/L	89
67) 1,3,5-Trichlorobenzene	12.89	180	9130	0.51	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	7124	0.57	ug/L	94
69) Naphthalene	13.75	128	9589	0.51	ug/L #	97
70) 1,2,3-Trichlorobenzene	13.99	180	6747	0.55	ug/L	97

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

