

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025909.D
 Acq On : 07 Aug 2018 01:07
 Operator : MD/SY
 Sample : VN0806WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 5:45:33 PM

Quant Time: Aug 07 04:53:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	163671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	252757	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134276	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	4.89	113	109696	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	7.57	98	383626	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	10.31	95	147284	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	39497	15.97	ug/l	100
3) Chloromethane	1.33	50	39633	16.76	ug/l	97
4) Vinyl Chloride	1.40	62	41578	18.69	ug/l	99
5) Bromomethane	1.63	94	23189	21.34	ug/l	98
6) Chloroethane	1.70	64	25937	19.94	ug/l	99
7) Trichlorofluoromethane	1.89	101	64356	20.00	ug/l	99
8) Diethyl Ether	2.10	74	22926	19.70	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36526	19.62	ug/l	99
10) Methyl Iodide	2.41	142	21187	18.70	ug/l	97
11) Tert butyl alcohol	2.83	59	60546	108.44	ug/l	98
12) 1,1-Dichloroethene	2.28	96	35109	19.98	ug/l	94
13) Acrolein	2.19	56	32580	160.40	ug/l	99
14) Allyl chloride	2.59	41	61043	19.33	ug/l	99
15) Acrylonitrile	2.94	53	123491	110.78	ug/l	99
16) Acetone	2.32	43	141973	114.19	ug/l	98
17) Carbon Disulfide	2.48	76	111942	19.68	ug/l	98
18) Methyl Acetate	2.62	43	57135	19.09	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	134682	21.15	ug/l	98
20) Methylene Chloride	2.70	84	44483	20.19	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	41344	20.35	ug/l	98
22) Diisopropyl ether	3.58	45	135296	21.74	ug/l	94
23) Vinyl Acetate	3.53	43	585718	108.00	ug/l	99
24) 1,1-Dichloroethane	3.45	63	79200	21.20	ug/l	99
25) 2-Butanone	4.27	43	221502	130.87	ug/l	100
26) 2,2-Dichloropropane	4.23	77	50855	14.98	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	46924	20.49	ug/l	97
28) Bromochloromethane	4.55	49	36236	21.69	ug/l	100
29) Tetrahydrofuran	4.64	42	112769	111.21	ug/l	98
30) Chloroform	4.68	83	82582	20.94	ug/l	100
31) Cyclohexane	5.00	56	68515	20.28	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	74655	21.03	ug/l	97
36) 1,1-Dichloropropene	5.14	75	60351	20.43	ug/l	99
37) Ethyl Acetate	4.38	43	67654	22.09	ug/l	99
38) Carbon Tetrachloride	5.14	117	67784	20.26	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66611	19.68	ug/l	98
40) Benzene	5.39	78	170834	19.79	ug/l	98
41) Methacrylonitrile	4.55	41	34773	20.44	ug/l	97
42) 1,2-Dichloroethane	5.41	62	67931	20.43	ug/l	99
43) Isopropyl Acetate	5.55	43	105647	20.87	ug/l	100
44) Trichloroethene	6.19	130	49108	20.42	ug/l	99
45) 1,2-Dichloropropane	6.44	63	45398	20.16	ug/l	98
46) Dibromomethane	6.56	93	32945	20.19	ug/l	100
47) Bromodichloromethane	6.76	83	63152	20.29	ug/l	98
48) Methyl methacrylate	6.63	41	51688	20.84	ug/l	98
49) 1,4-Dioxane	6.62	88	25125	416.21	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	420851	132.81	ug/l	99
52) Toluene	7.64	92	107806	20.10	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	68419	19.58	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	69691	19.41	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	45351	20.34	ug/l	97
56) Ethyl methacrylate	8.02	69	64840	20.36	ug/l	99
57) 1,3-Dichloropropane	8.25	76	77049	20.55	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	121179	88.72	ug/l	100
59) 2-Hexanone	8.36	43	320857	129.18	ug/l	99
60) Dibromochloromethane	8.48	129	52977	20.15	ug/l	100
61) 1,2-Dibromoethane	8.59	107	51118	20.62	ug/l	98
64) Tetrachloroethene	8.23	164	45701	21.36	ug/l	93
65) Chlorobenzene	9.12	112	128014	20.42	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	46856	20.67	ug/l	99
67) Ethyl Benzene	9.25	91	211620	20.38	ug/l	100
68) m/p-Xylenes	9.38	106	167671	42.07	ug/l	99
69) o-Xylene	9.78	106	79759	20.47	ug/l	99
70) Styrene	9.80	104	129266	20.54	ug/l	99
71) Bromoform	9.96	173	39698	20.19	ug/l #	97
73) Isopropylbenzene	10.17	105	216922	20.95	ug/l	99
74) N-amyl acetate	10.02	43	89078	21.07	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	73928	20.64	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	64984m	19.44	ug/l	
77) Bromobenzene	10.45	156	57482	20.12	ug/l	98
78) n-propylbenzene	10.59	91	248607	20.57	ug/l	99
79) 2-Chlorotoluene	10.66	91	150707	21.29	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	184210	20.94	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	21938m	16.45	ug/l	
82) 4-Chlorotoluene	10.78	91	175735	21.06	ug/l	100
83) tert-Butylbenzene	11.10	119	174299	19.95	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	187295	21.01	ug/l	99
85) sec-Butylbenzene	11.33	105	213731	20.03	ug/l	100
86) p-Isopropyltoluene	11.48	119	192662	20.17	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	106843	20.15	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	106776	19.32	ug/l	96
89) n-Butylbenzene	11.89	91	166313	18.87	ug/l	99
90) Hexachloroethane	12.15	117	32477	19.12	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	105975	20.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18044	21.25	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	67690	19.30	ug/l	99
94) Hexachlorobutadiene	13.70	225	31697	17.14	ug/l	95
95) Naphthalene	13.75	128	198066	18.39	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	67890	19.40	ug/l	97

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

