

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073018\
 Data File : VU025715.D
 Acq On : 30 Jul 2018 11:34
 Operator : MD/SY
 Sample : VU0730WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0730WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 1:23:22 PM

Quant Time: Jul 30 18:34:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	200313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	292874	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	282642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	180713	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	155814	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	4.89	113	128153	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	7.57	98	458364	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	10.31	95	177819	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	64627	21.35	ug/l	99
3) Chloromethane	1.33	50	56671	19.58	ug/l	99
4) Vinyl Chloride	1.41	62	51939	19.07	ug/l	99
5) Bromomethane	1.63	94	26568	19.97	ug/l	99
6) Chloroethane	1.70	64	30307	19.03	ug/l	95
7) Trichlorofluoromethane	1.89	101	79248	20.13	ug/l	100
8) Diethyl Ether	2.10	74	27624	19.39	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	44500	19.53	ug/l	100
10) Methyl Iodide	2.41	142	26467	18.91	ug/l	98
11) Tert butyl alcohol	2.82	59	59543	87.14	ug/l	100
12) 1,1-Dichloroethene	2.29	96	39900	18.55	ug/l	95
13) Acrolein	2.19	56	20156	80.07	ug/l	93
14) Allyl chloride	2.59	41	71965	18.62	ug/l	96
15) Acrylonitrile	2.94	53	125036	91.65	ug/l	98
16) Acetone	2.32	43	137536	90.39	ug/l	98
17) Carbon Disulfide	2.48	76	131527	18.90	ug/l	100
18) Methyl Acetate	2.62	43	73588	20.09	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	152836	19.61	ug/l	99
20) Methylene Chloride	2.70	84	49976	18.53	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	47827	19.24	ug/l	97
22) Diisopropyl ether	3.57	45	148801	19.54	ug/l	96
23) Vinyl Acetate	3.53	43	631061	95.07	ug/l	98
24) 1,1-Dichloroethane	3.45	63	88976	19.46	ug/l	100
25) 2-Butanone	4.26	43	190317	91.88	ug/l	99
26) 2,2-Dichloropropane	4.23	77	85549	20.59	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	54455	19.43	ug/l	99
28) Bromochloromethane	4.55	49	41303	20.20	ug/l	99
29) Tetrahydrofuran	4.64	42	112701	90.81	ug/l	99
30) Chloroform	4.68	83	92097	19.08	ug/l	98
31) Cyclohexane	5.00	56	80280	19.36	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	85864	19.76	ug/l	99
36) 1,1-Dichloropropene	5.14	75	71613	20.92	ug/l	99
37) Ethyl Acetate	4.38	43	64938	18.30	ug/l	99
38) Carbon Tetrachloride	5.14	117	77632	20.03	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	81531	20.79	ug/l	98
40) Benzene	5.39	78	196285	19.62	ug/l	99
41) Methacrylonitrile	4.54	41	37704	19.13	ug/l	98
42) 1,2-Dichloroethane	5.41	62	75222	19.53	ug/l	98
43) Isopropyl Acetate	5.55	43	109165	18.61	ug/l	98
44) Trichloroethene	6.19	130	55982	20.09	ug/l	100
45) 1,2-Dichloropropane	6.44	63	50656	19.41	ug/l	100
46) Dibromomethane	6.56	93	37084	19.61	ug/l	99
47) Bromodichloromethane	6.76	83	71950	19.95	ug/l	94
48) Methyl methacrylate	6.63	41	55386	19.27	ug/l	97
49) 1,4-Dioxane	6.61	88	27487	392.97	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	344773	93.90	ug/l	100
52) Toluene	7.64	92	127282	20.48	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	82784	20.44	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	85230	20.49	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	49669	19.23	ug/l	98
56) Ethyl methacrylate	8.02	69	72664	19.69	ug/l	98
57) 1,3-Dichloropropane	8.25	76	85961	19.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	153254	96.18	ug/l	100
59) 2-Hexanone	8.36	43	269948	93.79	ug/l	99
60) Dibromochloromethane	8.48	129	59738	19.61	ug/l	99
61) 1,2-Dibromoethane	8.59	107	55960	19.48	ug/l	98
64) Tetrachloroethene	8.23	164	50101	20.14	ug/l	99
65) Chlorobenzene	9.12	112	143685	19.72	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	54094	20.52	ug/l	98
67) Ethyl Benzene	9.25	91	244200	20.23	ug/l	99
68) m/p-Xylenes	9.38	106	192425	41.52	ug/l	100
69) o-Xylene	9.78	106	90818	20.05	ug/l	97
70) Styrene	9.80	104	150941	20.63	ug/l	98
71) Bromoform	9.96	173	45828	20.05	ug/l #	100
73) Isopropylbenzene	10.17	105	250420	20.30	ug/l	100
74) N-amyl acetate	10.01	43	97970	19.46	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	79929	18.74	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	67325m	16.91	ug/l	
77) Bromobenzene	10.45	156	66007	19.40	ug/l	97
78) n-propylbenzene	10.59	91	298604	20.74	ug/l	100
79) 2-Chlorotoluene	10.66	91	173593	20.59	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	216715	20.69	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	31043m	19.55	ug/l	
82) 4-Chlorotoluene	10.78	91	208398	20.97	ug/l	99
83) tert-Butylbenzene	11.10	119	211482	20.32	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	221070	20.83	ug/l	98
85) sec-Butylbenzene	11.33	105	265414	20.89	ug/l	100
86) p-Isopropyltoluene	11.48	119	239692	21.07	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	127171	20.14	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	129493	19.67	ug/l	99
89) n-Butylbenzene	11.89	91	220437	20.99	ug/l	99
90) Hexachloroethane	12.15	117	39359	19.46	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	124929	20.18	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19222	19.01	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	87917	21.04	ug/l	99
94) Hexachlorobutadiene	13.70	225	44855	20.37	ug/l	98
95) Naphthalene	13.75	128	234598	18.30	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	84405	20.25	ug/l	98

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

