

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025178.D
 Acq On : 03 Jul 2018 06:40
 Operator : MD/SY
 Sample : J3809-15MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818MS

Manual Integrations
 APPROVED

sam
 7/3/2018 3:53:07 PM

Quant Time: Jul 03 08:14:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	154628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	243367	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	240292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	126105	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	4.89	113	104198	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	7.57	98	338957	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
62) 4-Bromofluorobenzene	10.31	95	151636	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	82803	42.78	ug/l	99
3) Chloromethane	1.33	50	90948	45.99	ug/l	98
4) Vinyl Chloride	1.40	62	98788	48.44	ug/l	99
5) Bromomethane	1.61	94	54246	55.03	ug/l	99
6) Chloroethane	1.69	64	66168	58.24	ug/l	100
7) Trichlorofluoromethane	1.88	101	155241	49.88	ug/l	98
8) Diethyl Ether	2.10	74	62088	58.96	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.28	101	91052	47.16	ug/l	96
10) Methyl Iodide	2.41	142	107762	64.27	ug/l	97
11) Tert butyl alcohol	2.83	59	199502	324.95	ug/l	100
12) 1,1-Dichloroethene	2.28	96	89519	50.84	ug/l	96
13) Acrolein	2.19	56	46463	144.12	ug/l #	42
14) Allyl chloride	2.59	41	142430	43.57	ug/l	97
15) Acrylonitrile	2.93	53	339655	284.35	ug/l	99
16) Acetone	2.32	43	370359	273.06	ug/l	97
17) Carbon Disulfide	2.47	76	241844	42.90	ug/l	99
18) Methyl Acetate	2.62	43	176716	60.78	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	441725	66.74	ug/l #	80
20) Methylene Chloride	2.70	84	109852	51.62	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	101460	52.32	ug/l	99
22) Diisopropyl ether	3.57	45	357483	55.16	ug/l	98
23) Vinyl Acetate	3.53	43	1322497	227.81	ug/l	99
24) 1,1-Dichloroethane	3.45	63	201007	53.92	ug/l	99
25) 2-Butanone	4.26	43	530327	291.09	ug/l	99
26) 2,2-Dichloropropane	4.23	77	92164	26.04	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	120870	54.22	ug/l	95
28) Bromochloromethane	4.55	49	75341	45.88	ug/l	84
29) Tetrahydrofuran	4.64	42	316876	280.87	ug/l	96
30) Chloroform	4.68	83	217854	57.73	ug/l	100
31) Cyclohexane	5.00	56	243266	74.45	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	191694	54.94	ug/l	96
36) 1,1-Dichloropropene	5.14	75	150382	52.59	ug/l	97
37) Ethyl Acetate	4.38	43	157826	50.64	ug/l	97
38) Carbon Tetrachloride	5.14	117	170237	54.13	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	295650	82.84	ug/l	98
40) Benzene	5.39	78	1349555	165.62	ug/l	100
41) Methacrylonitrile	4.55	41	100810	59.99	ug/l	98
42) 1,2-Dichloroethane	5.41	62	191145	61.59	ug/l	99
43) Isopropyl Acetate	5.55	43	308975	57.35	ug/l	97
44) Trichloroethene	6.19	130	122981	53.03	ug/l	99
45) 1,2-Dichloropropane	6.44	63	121440	55.85	ug/l	98
46) Dibromomethane	6.56	93	87673	57.41	ug/l	93
47) Bromodichloromethane	6.76	83	167870	55.20	ug/l	99
48) Methyl methacrylate	6.63	41	179639	68.47	ug/l	95
49) 1,4-Dioxane	6.62	88	71277	1389.25	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	986639	291.49	ug/l	98
52) Toluene	7.64	92	597612	113.99	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	171015	50.07	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	173505	47.68	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	190033	89.17	ug/l	89
56) Ethyl methacrylate	8.02	69	212372	59.54	ug/l	92
57) 1,3-Dichloropropane	8.25	76	206853	57.54	ug/l	98
59) 2-Hexanone	8.36	43	822334	297.58	ug/l	99
60) Dibromochloromethane	8.48	129	138445	52.10	ug/l	99
61) 1,2-Dibromoethane	8.59	107	136646	57.61	ug/l	99
64) Tetrachloroethene	8.23	164	109110	47.77	ug/l	99
65) Chlorobenzene	9.12	112	338311	55.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	123129	52.80	ug/l	96
67) Ethyl Benzene	9.26	91	12026942	1117.60	ug/l	95
68) m/p-Xylenes	9.39	106	4929269	1192.84	ug/l	94
69) o-Xylene	9.78	106	350570	85.72	ug/l	96
70) Stvrene	9.80	104	374245	55.69	ug/l	94
71) Bromoform	9.96	173	110023	49.63	ug/l #	99
73) Isopropylbenzene	10.17	105	1339015	110.32	ug/l	99
74) N-amyl acetate	10.01	43	264304	45.78	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	216696	53.28	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	175809m	50.51	ug/l	
77) Bromobenzene	10.45	156	162201	52.78	ug/l	94
78) n-propylbenzene	10.59	91	2879420	201.38	ug/l	97
79) 2-Chlorotoluene	10.66	91	465404	55.20	ug/l	95
80) 1,3,5-Trimethylbenzene	10.78	105	600055	57.04	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	62483m	41.55	ug/l	
82) 4-Chlorotoluene	10.78	91	495364	50.48	ug/l	100
83) tert-Butylbenzene	11.11	119	499078	49.32	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	17151481m	1599.76	ug/l	
85) sec-Butylbenzene	11.33	105	756923	59.75	ug/l	98
86) p-Isopropyltoluene	11.48	119	654848	57.72	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	299067	52.68	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	304492	53.29	ug/l	99
89) n-Butylbenzene	11.89	91	681245m	67.64	ug/l	
90) Hexachloroethane	12.15	117	244225	110.35	ug/l #	44
91) 1,2-Dichlorobenzene	11.88	146	312747	55.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	71723	63.91	ug/l	92
93) 1,2,4-Trichlorobenzene	13.51	180	212118	60.41	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	71372	36.11	ug/l	100
95) Naphthalene	13.75	128	2678028	227.92	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	219757	62.81	ug/l	94

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

