

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024685.D
 Acq On : 18 Jun 2018 12:35
 Operator : MD/SY
 Sample : J3463-07MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-10-8.0-061218MSD

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:00 PM

Quant Time: Jun 18 18:00:46 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	168024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	279690	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152585	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	135922	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.10%		
35) Dibromofluoromethane	4.89	113	114745	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.86%		
50) Toluene-d8	7.57	98	418124	49.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.76%		
62) 4-Bromofluorobenzene	10.31	95	162709	48.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.80%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	83251	39.58	ug/l	100
3) Chloromethane	1.33	50	99134	46.14	ug/l	99
4) Vinyl Chloride	1.40	62	109376	49.36	ug/l	98
5) Bromomethane	1.62	94	59095	55.17	ug/l	99
6) Chloroethane	1.69	64	67208	54.37	ug/l	99
7) Trichlorofluoromethane	1.88	101	168697	49.89	ug/l	97
8) Diethyl Ether	2.10	74	67038	58.58	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89430	42.63	ug/l	97
10) Methyl Iodide	2.41	142	107662	59.51	ug/l	98
11) Tert butyl alcohol	2.83	59	228235	342.12	ug/l	98
12) 1,1-Dichloroethene	2.28	96	90340	47.22	ug/l	93
13) Acrolein	2.19	56	60644	173.11	ug/l	98
14) Allyl chloride	2.59	41	152973	43.06	ug/l	94
15) Acrylonitrile	2.94	53	393379	303.07	ug/l	99
16) Acetone	2.32	43	374040	253.79	ug/l	95
17) Carbon Disulfide	2.48	76	275542	44.98	ug/l	99
18) Methyl Acetate	2.62	43	190454	60.28	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	527705	73.38	ug/l	97
20) Methylene Chloride	2.70	84	112976	48.85	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	102402	48.60	ug/l	95
22) Diisopropyl ether	3.57	45	367289	52.16	ug/l	97
23) Vinyl Acetate	3.53	43	1652455	261.96	ug/l	99
24) 1,1-Dichloroethane	3.45	63	205301	50.68	ug/l	99
25) 2-Butanone	4.26	43	576479	291.20	ug/l	98
26) 2,2-Dichloropropane	4.23	77	87844	22.84	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	123502	50.98	ug/l	92
28) Bromochloromethane	4.55	49	99655	55.85	ug/l	89
29) Tetrahydrofuran	4.64	42	367965	300.15	ug/l	96
30) Chloroform	4.68	83	208582	50.87	ug/l	100
31) Cyclohexane	5.00	56	174546	48.46	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	181853	47.96	ug/l	96
36) 1,1-Dichloropropene	5.14	75	145084	44.14	ug/l	96
37) Ethyl Acetate	4.38	43	204223	57.01	ug/l	97
38) Carbon Tetrachloride	5.14	117	167752	46.42	ug/l	99

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

39) Methylcyclohexane	6.42	83	166840	40.68	ug/l	94
40) Benzene	5.39	78	454670	48.55	ug/l	100
41) Methacrylonitrile	4.54	41	109219	56.55	ug/l	96
42) 1,2-Dichloroethane	5.41	62	167826	47.05	ug/l	98
43) Isopropyl Acetate	5.55	43	317682	51.31	ug/l	97
44) Trichloroethene	6.19	130	121702	45.66	ug/l	96
45) 1,2-Dichloropropane	6.44	63	124348	49.76	ug/l	96
46) Dibromomethane	6.56	93	87023	49.58	ug/l	94
47) Bromodichloromethane	6.76	83	166621	47.67	ug/l	99
48) Methyl methacrylate	6.63	41	155892	51.70	ug/l	98
49) 1,4-Dioxane	6.61	88	75668	1283.30	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	1120516	288.05	ug/l	98
52) Toluene	7.64	92	289347	48.02	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	166617	42.45	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	174366	41.69	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	123526	50.44	ug/l	98
56) Ethyl methacrylate	8.02	69	208936	50.97	ug/l	99
57) 1,3-Dichloropropane	8.25	76	207423	50.21	ug/l	98
59) 2-Hexanone	8.36	43	916517	288.59	ug/l	99
60) Dibromochloromethane	8.48	129	146148	47.85	ug/l	98
61) 1,2-Dibromoethane	8.59	107	138458	50.79	ug/l	99
64) Tetrachloroethene	8.23	164	105836	42.21	ug/l	96
65) Chlorobenzene	9.12	112	331974	49.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	127667	49.87	ug/l	98
67) Ethyl Benzene	9.25	91	565366	47.86	ug/l	97
68) m/p-Xylenes	9.38	106	439061	96.80	ug/l	97
69) o-Xylene	9.78	106	223954	49.89	ug/l	94
70) Styrene	9.80	104	356552	48.33	ug/l	99
71) Bromoform	9.96	173	122808	50.47	ug/l #	99
73) Isopropylbenzene	10.17	105	595740	50.85	ug/l	98
74) N-amyl acetate	10.01	43	304547	54.66	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	220191	56.09	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	184306m	54.86	ug/l	
77) Bromobenzene	10.45	156	150614	50.78	ug/l	95
78) n-propylbenzene	10.59	91	665450	48.22	ug/l	97
79) 2-Chlorotoluene	10.66	91	401401	49.32	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	506367	49.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	60706m	41.82	ug/l	
82) 4-Chlorotoluene	10.78	91	463733	48.96	ug/l	99
83) tert-Butylbenzene	11.10	119	509796	52.19	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	518712	50.13	ug/l	99
85) sec-Butylbenzene	11.33	105	613675	50.19	ug/l	96
86) p-Isopropyltoluene	11.48	119	531480	48.54	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	273155	49.85	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	272873	49.48	ug/l	99
89) n-Butylbenzene	11.89	91	456204	46.93	ug/l	97
90) Hexachloroethane	12.15	117	106283	49.76	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	281720	51.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	65511	60.48	ug/l	94
93) 1,2,4-Trichlorobenzene	13.51	180	189645	55.96	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	93086	48.80	ug/l	98
95) Naphthalene	13.74	128	679592	60.43	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	203708	60.32	ug/l	96

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

