

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101118\
 Data File : VU027603.D
 Acq On : 11 Oct 2018 16:54
 Operator : MD/SY
 Sample : J5164-08 2ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:44 PM

Quant Time: Oct 12 16:36:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 10:41:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	112521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	196711	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	175393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77416	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	92119	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	4.88	113	66483	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	7.57	98	241133	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	10.31	95	80487	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.21	85	2708	2.21	ug/l	96
3) Chloromethane	1.33	50	4256	2.22	ug/l	99
4) Vinyl Chloride	1.40	62	4158	2.31	ug/l	99
5) Bromomethane	1.62	94	2265	2.32	ug/l	92
6) Chloroethane	1.70	64	2282	0.97	ug/l	91
7) Trichlorofluoromethane	1.88	101	4498	2.23	ug/l	93
8) Diethyl Ether	2.11	74	1960	2.16	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	2762	2.35	ug/l	97
12) 1,1-Dichloroethene	2.28	96	2665	2.31	ug/l	94
14) Allyl chloride	2.59	41	5710	2.04	ug/l	96
15) Acrylonitrile	2.94	53	10673	10.58	ug/l	97
16) Acetone	2.32	43	11653	10.97	ug/l	99
17) Carbon Disulfide	2.48	76	8805	2.22	ug/l	95
18) Methyl Acetate	2.62	43	5997	2.26	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	9585	2.16	ug/l	96
20) Methylene Chloride	2.70	84	3379	2.25	ug/l	91
21) trans-1,2-Dichloroethene	2.98	96	2662	2.09	ug/l	95
22) Diisopropyl ether	3.58	45	11260	2.10	ug/l #	89
23) Vinyl Acetate	3.53	43	45724	10.07	ug/l	98
24) 1,1-Dichloroethane	3.45	63	5970	2.10	ug/l	98
25) 2-Butanone	4.28	43	15149	10.07	ug/l	94
26) 2,2-Dichloropropane	4.24	77	4534	1.99	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	3091	2.18	ug/l	95
28) Bromochloromethane	4.56	49	2881	2.06	ug/l #	96
29) Tetrahydrofuran	4.65	42	10167	10.77	ug/l	94
30) Chloroform	4.68	83	5630	2.23	ug/l	92
31) Cyclohexane	4.99	56	7845	1.69	ug/l #	59
32) 1,1,1-Trichloroethane	4.92	97	4789	2.25	ug/l	91
36) 1,1-Dichloropropene	5.14	75	4214	2.11	ug/l	94
37) Ethyl Acetate	4.39	43	5548	1.91	ug/l #	74
38) Carbon Tetrachloride	5.13	117	4000	2.17	ug/l	97
39) Methylcyclohexane	6.42	83	4290	1.90	ug/l #	88
40) Benzene	5.39	78	12588	2.08	ug/l	96
41) Methacrylonitrile	4.56	41	2742	2.30	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.41	62	4601	2.06	ug/l	99
43) Isopropyl Acetate	5.56	43	8025	1.93	ug/l #	95
44) Trichloroethene	6.19	130	2769	2.08	ug/l	100
45) 1,2-Dichloropropane	6.44	63	3628	2.11	ug/l	100
46) Dibromomethane	6.56	93	2010	1.99	ug/l	94
47) Bromodichloromethane	6.76	83	4178	2.05	ug/l	94
48) Methyl methacrylate	6.63	41	4115	3.24	ug/l	91
49) 1,4-Dioxane	6.62	88	1552	39.10	ug/l	94
51) 4-Methyl-2-Pentanone	7.47	43	26815	9.61	ug/l	98
52) Toluene	7.64	92	7313	2.12	ug/l	98
53) t-1,3-Dichloropropene	7.89	75	4255	1.84	ug/l	94
54) cis-1,3-Dichloropropene	7.27	75	4715	1.87	ug/l	90
55) 1,1,2-Trichloroethane	8.07	97	2783	1.95	ug/l	96
56) Ethyl methacrylate	8.03	69	4255	3.72	ug/l	93
57) 1,3-Dichloropropane	8.25	76	5631	2.08	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.13	63	11382	13.17	ug/l	99
59) 2-Hexanone	8.37	43	20209	9.29	ug/l	94
60) Dibromochloromethane	8.48	129	2698	1.89	ug/l	98
61) 1,2-Dibromoethane	8.59	107	2971	1.98	ug/l	94
64) Tetrachloroethene	8.23	164	2531	2.32	ug/l	93
65) Chlorobenzene	9.12	112	7457	2.05	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.21	131	2555	2.05	ug/l	99
67) Ethyl Benzene	9.25	91	12249	1.96	ug/l	96
68) m/p-Xylenes	9.38	106	8370	3.67	ug/l	98
69) o-Xylene	9.78	106	4030	1.82	ug/l	100
70) Styrene	9.80	104	6018	2.69	ug/l	95
71) Bromoform	9.96	173	1899	1.84	ug/l #	96
73) Isopropylbenzene	10.17	105	10584	2.03	ug/l	99
74) N-ethyl acetate	10.02	43	5601	1.82	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	5161	2.30	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	4345m	1.96	ug/l	
77) Bromobenzene	10.46	156	2817	2.21	ug/l	94
78) n-propylbenzene	10.59	91	12851	2.03	ug/l	99
79) 2-Chlorotoluene	10.66	91	8607	2.22	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	8696	1.68	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.51	75	1961m	1.04	ug/l	
82) 4-Chlorotoluene	10.77	91	9063	2.09	ug/l	97
83) tert-Butylbenzene	11.10	119	8756	2.06	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	8364	1.75	ug/l	98
85) sec-Butylbenzene	11.33	105	9984	2.06	ug/l	96
86) p-Isopropyltoluene	11.48	119	8329	2.17	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	4864	2.05	ug/l	96
88) 1,4-Dichlorobenzene	11.51	146	5128m	2.04	ug/l	
89) n-Butylbenzene	11.89	91	6917	3.00	ug/l	96
90) Hexachloroethane	12.15	117	1755	2.04	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	5034	2.11	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1032	2.11	ug/l	95
93) 1,2,4-Trichlorobenzene	13.51	180	2727	3.24	ug/l	92
94) Hexachlorobutadiene	13.69	225	1452	1.89	ug/l	97
95) Naphthalene	13.75	128	8720	2.75	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	13.99	180	2923	1.86	ug/l	94

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

