

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101118\
 Data File : VU027594.D
 Acq On : 11 Oct 2018 13:24
 Operator : MD/SY
 Sample : J5164-07 2.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 11 14:13:18 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	91925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159735	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	142549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	61062	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	56776	39.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.80%	
35) Dibromofluoromethane	4.89	113	40732	38.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.08%	
50) Toluene-d8	7.57	98	149579	37.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.34%	
62) 4-Bromofluorobenzene	10.31	95	48664	33.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	2144	2.14	ug/l	86
3) Chloromethane	1.33	50	3802	2.43	ug/l	97
4) Vinyl Chloride	1.40	62	3257	2.21	ug/l	100
5) Bromomethane	1.62	94	1931	2.42	ug/l	99
6) Chloroethane	1.70	64	2489	1.70	ug/l	95
7) Trichlorofluoromethane	1.89	101	3508	2.13	ug/l	96
8) Diethyl Ether	2.11	74	1671	2.25	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	2011	2.09	ug/l	96
10) Methyl Iodide	2.41	142	996	4.18	ug/l #	81
11) Tert butyl alcohol	2.83	59	3472	10.01	ug/l #	88
12) 1,1-Dichloroethene	2.28	96	2106	2.23	ug/l	98
13) Acrolein	2.20	56	3002	10.91	ug/l	91
14) Allyl chloride	2.59	41	4652	2.03	ug/l	97
15) Acrylonitrile	2.94	53	8986	10.90	ug/l	96
16) Acetone	2.32	43	9696	11.18	ug/l	99
17) Carbon Disulfide	2.48	76	7110	2.20	ug/l #	92
18) Methyl Acetate	2.62	43	4606	2.12	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	7547	2.08	ug/l	100
20) Methylene Chloride	2.70	84	2577	2.10	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	2219	2.13	ug/l	93
22) Diisopropyl ether	3.58	45	8958	2.04	ug/l #	84
23) Vinyl Acetate	3.53	43	38035	10.26	ug/l	99
24) 1,1-Dichloroethane	3.45	63	5094	2.19	ug/l #	94
25) 2-Butanone	4.28	43	13646	11.10	ug/l	97
26) 2,2-Dichloropropane	4.23	77	3875	2.08	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	2597	2.25	ug/l	99
28) Bromochloromethane	4.55	49	2375	2.07	ug/l #	99
29) Tetrahydrofuran	4.65	42	8635	11.20	ug/l	96
30) Chloroform	4.68	83	4617	2.24	ug/l	93
31) Cyclohexane	4.99	56	6549	1.76	ug/l #	65
32) 1,1,1-Trichloroethane	4.92	97	3799	2.18	ug/l	95
36) 1,1-Dichloropropene	5.14	75	3214	1.98	ug/l	94
37) Ethyl Acetate	4.40	43	4924	2.09	ug/l #	85
38) Carbon Tetrachloride	5.14	117	3167	2.12	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	3605	1.97	ug/l	97
40) Benzene	5.40	78	10573	2.15	ug/l	99
41) Methacrylonitrile	4.55	41	2433	2.46	ug/l	93
42) 1,2-Dichloroethane	5.41	62	3995	2.20	ug/l	90
43) Isopropyl Acetate	5.56	43	6951	2.06	ug/l	96
44) Trichloroethene	6.19	130	2216	2.05	ug/l	98
45) 1,2-Dichloropropane	6.44	63	2669	1.91	ug/l	89
46) Dibromomethane	6.57	93	1699	2.07	ug/l	98
47) Bromodichloromethane	6.76	83	3306	2.00	ug/l #	94
48) Methyl methacrylate	6.63	41	2979	3.05	ug/l	99
49) 1,4-Dioxane	6.62	88	1281	39.74	ug/l #	79
51) 4-Methyl-2-Pentanone	7.47	43	21487	9.49	ug/l	99
52) Toluene	7.64	92	5835	2.08	ug/l	91
53) t-1,3-Dichloropropene	7.89	75	3626	1.93	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	3919	1.91	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	2252	1.94	ug/l #	80
56) Ethyl methacrylate	8.03	69	3333	3.67	ug/l	91
57) 1,3-Dichloropropane	8.25	76	4496	2.04	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	8791	12.80	ug/l	95
59) 2-Hexanone	8.37	43	16193	9.16	ug/l	96
60) Dibromochloromethane	8.48	129	2362	2.04	ug/l	94
61) 1,2-Dibromoethane	8.59	107	2560	2.10	ug/l	95
64) Tetrachloroethene	8.23	164	2010	2.27	ug/l	91
65) Chlorobenzene	9.12	112	6474	2.19	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	2119	2.10	ug/l	98
67) Ethyl Benzene	9.25	91	9865	1.94	ug/l	95
68) m/p-Xylenes	9.38	106	6681	3.61	ug/l	98
69) o-Xylene	9.78	106	3553	1.97	ug/l	93
70) Styrene	9.80	104	4883	2.69	ug/l	93
71) Bromoform	9.96	173	1484	1.77	ug/l #	95
73) Isopropylbenzene	10.17	105	8648	2.10	ug/l	100
74) N-amyl acetate	10.02	43	4427	1.83	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	10.46	83	4142	2.34	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	4953	2.83	ug/l	82
77) Bromobenzene	10.45	156	2270	2.25	ug/l	88
78) n-propylbenzene	10.59	91	9964	2.00	ug/l	97
79) 2-Chlorotoluene	10.66	91	6822	2.23	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	6531	1.59	ug/l	93
81) trans-1,4-Dichloro-2-buten	10.50	75	4953	3.33	ug/l #	100
82) 4-Chlorotoluene	10.78	91	7454	2.18	ug/l	99
83) tert-Butylbenzene	11.10	119	7353	2.19	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	6655	1.76	ug/l	100
85) sec-Butylbenzene	11.33	105	7830	2.05	ug/l	98
86) p-Isopropyltoluene	11.48	119	6339	2.11	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	4189	2.24	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	4160	2.10	ug/l	82
89) n-Butylbenzene	11.89	91	5355	2.97	ug/l	96
90) Hexachloroethane	12.14	117	1546	2.27	ug/l	87
91) 1,2-Dichlorobenzene	11.88	146	4191	2.22	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	804	2.08	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	1875	3.03	ug/l	94
94) Hexachlorobutadiene	13.69	225	1329	2.20	ug/l	91
95) Naphthalene	13.75	128	6410	2.65	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.00	180	2309	1.86	ug/l	97

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

