

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005298.D
 Acq On : 12 Oct 2018 17:25
 Operator : JC/MD
 Sample : J5164-08 2ppb
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:05:15 AM

Quant Time: Oct 15 02:25:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	323669	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152346	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	145202	71.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.88%	
35) Dibromofluoromethane	5.50	113	107097	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	8.71	98	356479	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.14	95	129066	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2175	1.53	ug/l	98
3) Chloromethane	1.32	50	5247	2.55	ug/l	98
4) Vinyl Chloride	1.40	62	4469	2.14	ug/l	96
5) Bromomethane	1.64	94	3961	3.91	ug/l	93
6) Chloroethane	1.71	64	2993	2.53	ug/l	96
7) Trichlorofluoromethane	1.92	101	5302	1.90	ug/l	94
8) Diethyl Ether	2.19	74	3345	2.81	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2867	1.78	ug/l	98
12) 1,1-Dichloroethene	2.37	96	3548	2.23	ug/l	95
14) Allyl chloride	2.72	41	8783	2.51	ug/l	95
15) Acrylonitrile	3.15	53	19194	14.88	ug/l	99
16) Acetone	2.45	43	17685	15.15	ug/l	95
17) Carbon Disulfide	2.56	76	10408	2.16	ug/l	# 94
18) Methyl Acetate	2.78	43	11683	3.52	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	16112	2.87	ug/l	93
20) Methylene Chloride	2.85	84	6031	2.30	ug/l	84
21) trans-1,2-Dichloroethene	3.16	96	4603	2.61	ug/l	85
22) Diisopropyl ether	3.87	45	14614	2.49	ug/l	94
23) Vinyl Acetate	3.83	43	65760	12.81	ug/l	# 91
24) 1,1-Dichloroethane	3.69	63	8814	2.62	ug/l	97
25) 2-Butanone	4.70	43	24400	14.29	ug/l	90
26) 2,2-Dichloropropane	4.59	77	5657	2.25	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	5139	2.68	ug/l	59
28) Bromochloromethane	5.02	49	4508	2.94	ug/l	94
29) Tetrahydrofuran	5.17	42	15227	13.98	ug/l	93
30) Chloroform	5.21	83	8691	2.78	ug/l	86
31) Cyclohexane	5.57	56	4519m	1.63	ug/l	
32) 1,1,1-Trichloroethane	5.49	97	6327	2.33	ug/l	96
36) 1,1-Dichloropropene	5.80	75	5783	1.84	ug/l	95
37) Ethyl Acetate	4.86	43	8539	2.12	ug/l	97
38) Carbon Tetrachloride	5.78	117	5407	1.72	ug/l	# 81
39) Methylcyclohexane	7.46	83	3536	1.04	ug/l	# 81
40) Benzene	6.14	78	18456	1.96	ug/l	# 84
41) Methacrylonitrile	5.06	41	4521	2.09	ug/l	# 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	7020	2.11	ug/l	98
43) Isopropyl Acetate	6.46	43	11126	2.07	ug/l	97
44) Trichloroethene	7.21	130	6542	2.13	ug/l	98
45) 1,2-Dichloropropane	7.51	63	4794	2.08	ug/l	96
46) Dibromomethane	7.66	93	3376	2.22	ug/l	96
47) Bromodichloromethane	7.90	83	5573	1.98	ug/l	98
48) Methyl methacrylate	7.78	41	5399	1.94	ug/l	93
49) 1,4-Dioxane	7.76	88	2746	42.75	ug/l #	84
51) 4-Methyl-2-Pentanone	8.65	43	36828	9.90	ug/l	93
52) Toluene	8.79	92	10484	2.04	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	5624	1.85	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	6410	1.94	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	4644	2.13	ug/l	94
56) Ethyl methacrylate	9.18	69	6293	1.98	ug/l	88
57) 1,3-Dichloropropane	9.37	76	7756	2.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	16478	9.25	ug/l	95
59) 2-Hexanone	9.50	43	29802	9.96	ug/l	88
60) Dibromochloromethane	9.59	129	4383	1.95	ug/l	100
61) 1,2-Dibromoethane	9.67	107	4773	2.09	ug/l	94
64) Tetrachloroethene	9.34	164	4424	1.89	ug/l	89
65) Chlorobenzene	10.14	112	12588	2.04	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	4319	1.96	ug/l	93
67) Ethyl Benzene	10.25	91	17559	1.75	ug/l	96
68) m/p-Xylenes	10.36	106	13228	3.39	ug/l	99
69) o-Xylene	10.70	106	6622	1.76	ug/l	99
70) Styrene	10.71	104	10271	1.66	ug/l	98
71) Bromoform	10.86	173	3718	1.89	ug/l #	99
73) Isopropylbenzene	11.02	105	14894	1.64	ug/l	98
74) N-amyl acetate	10.90	43	8191	1.88	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	7849	2.30	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	7351m	2.49	ug/l	
77) Bromobenzene	11.26	156	5711	2.21	ug/l	97
78) n-propylbenzene	11.36	91	18070	1.73	ug/l	99
79) 2-Chlorotoluene	11.42	91	12621	1.98	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	13439	1.73	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.08	75	1765m	1.81	ug/l	
82) 4-Chlorotoluene	11.51	91	14258	1.88	ug/l	98
83) tert-Butylbenzene	11.77	119	13068	1.66	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	13658	1.71	ug/l	99
85) sec-Butylbenzene	11.94	105	13605	1.46	ug/l	100
86) p-Isopropyltoluene	12.07	119	12659	1.51	ug/l	94
87) 1,3-Dichlorobenzene	12.03	146	10025	2.07	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	11329	2.29	ug/l	86
89) n-Butylbenzene	12.39	91	11002	1.44	ug/l	94
90) Hexachloroethane	12.60	117	2448	1.69	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	10707	2.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1827	2.19	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	7123	1.97	ug/l	98
94) Hexachlorobutadiene	13.79	225	2660	1.39	ug/l	97
95) Naphthalene	13.83	128	19028	1.81	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	7308	1.97	ug/l	97

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

