

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101518\
 Data File : VX005338.D
 Acq On : 15 Oct 2018 12:48
 Operator : JC/MD
 Sample : J5164-08 2ppb
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:36:43 PM

Quant Time: Oct 16 12:07:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 12:03:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358167	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179191	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	141970	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.60%	
35) Dibromofluoromethane	5.50	113	116113	48.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.90%	
50) Toluene-d8	8.71	98	423702	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.14	95	149371	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3865	2.00	ug/l	95
3) Chloromethane	1.32	50	5876	2.10	ug/l	95
4) Vinyl Chloride	1.41	62	6340	2.24	ug/l	# 81
5) Bromomethane	1.64	94	4644	2.64	ug/l	95
6) Chloroethane	1.71	64	3922	2.32	ug/l	93
7) Trichlorofluoromethane	1.92	101	7932	2.10	ug/l	95
8) Diethyl Ether	2.18	74	3385	2.10	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	4930	2.26	ug/l	98
12) 1,1-Dichloroethene	2.37	96	4625	2.14	ug/l	92
14) Allyl chloride	2.73	41	10600	2.23	ug/l	95
15) Acrylonitrile	3.15	53	18716	10.68	ug/l	97
16) Acetone	2.45	43	21063	13.29	ug/l	100
17) Carbon Disulfide	2.56	76	14072	2.15	ug/l	100
18) Methyl Acetate	2.78	43	10414	2.31	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	16706	2.19	ug/l	97
20) Methylene Chloride	2.85	84	6178	2.41	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	5272	2.20	ug/l	96
22) Diisopropyl ether	3.87	45	15413	1.93	ug/l	# 84
23) Vinyl Acetate	3.82	43	65904	9.45	ug/l	# 91
24) 1,1-Dichloroethane	3.69	63	9446	2.07	ug/l	96
25) 2-Butanone	4.70	43	24954	10.76	ug/l	98
26) 2,2-Dichloropropane	4.59	77	7175	2.10	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	5258	2.02	ug/l	84
28) Bromochloromethane	5.02	49	4184	2.01	ug/l	# 95
29) Tetrahydrofuran	5.16	42	14575	9.86	ug/l	93
30) Chloroform	5.21	83	9019	2.13	ug/l	95
31) Cyclohexane	5.57	56	7133	1.89	ug/l	85
32) 1,1,1-Trichloroethane	5.49	97	7852	2.13	ug/l	98
36) 1,1-Dichloropropene	5.79	75	6229	1.80	ug/l	95
37) Ethyl Acetate	4.86	43	8147	1.83	ug/l	97
38) Carbon Tetrachloride	5.77	117	6742	1.93	ug/l	93
39) Methylcyclohexane	7.46	83	6877	1.83	ug/l	89
40) Benzene	6.14	78	19628	1.89	ug/l	97
41) Methacrylonitrile	5.06	41	4338	1.81	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	7255	1.97	ug/l	94
43) Isopropyl Acetate	6.46	43	11635	1.96	ug/l	98
44) Trichloroethene	7.22	130	5708	1.91	ug/l	99
45) 1,2-Dichloropropane	7.52	63	5277	2.07	ug/l	95
46) Dibromomethane	7.66	93	3431	2.04	ug/l	96
47) Bromodichloromethane	7.90	83	6329	2.03	ug/l	99
48) Methyl methacrylate	7.77	41	5306	1.72	ug/l	96
49) 1,4-Dioxane	7.76	88	2867	40.33	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	37150	9.03	ug/l	93
52) Toluene	8.79	92	12708	2.23	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	6374	1.89	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	6600	1.81	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	5073	2.10	ug/l	98
56) Ethyl methacrylate	9.18	69	6639	1.89	ug/l	93
57) 1,3-Dichloropropane	9.37	76	8452	2.10	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	17502	8.88	ug/l	96
59) 2-Hexanone	9.50	43	30146	9.11	ug/l	92
60) Dibromochloromethane	9.59	129	4861	1.95	ug/l	100
61) 1,2-Dibromoethane	9.67	107	5012	1.98	ug/l	98
64) Tetrachloroethene	9.34	164	5563	2.08	ug/l	97
65) Chlorobenzene	10.14	112	14208	2.01	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	4966	1.98	ug/l	95
67) Ethyl Benzene	10.25	91	21376	1.86	ug/l	97
68) m/p-Xylenes	10.36	106	16335	3.67	ug/l	100
69) o-Xylene	10.70	106	7572	1.76	ug/l	96
70) Styrene	10.71	104	11797	1.67	ug/l	95
71) Bromoform	10.86	173	3965	1.77	ug/l #	97
73) Isopropylbenzene	11.02	105	20072	1.88	ug/l	98
74) N-ethyl acetate	10.90	43	9213	1.79	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	8237	2.05	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	7529m	2.17	ug/l	
77) Bromobenzene	11.26	156	6438	2.11	ug/l	98
78) n-propylbenzene	11.36	91	23802	1.94	ug/l	100
79) 2-Chlorotoluene	11.42	91	15419	2.05	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	16636	1.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	2056m	1.80	ug/l	
82) 4-Chlorotoluene	11.51	91	17402	1.96	ug/l	98
83) tert-Butylbenzene	11.77	119	17034	1.84	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	16484	1.76	ug/l	100
85) sec-Butylbenzene	11.94	105	19781	1.81	ug/l	100
86) p-Isopropyltoluene	12.07	119	17773	1.80	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	11296	1.98	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	12452	2.14	ug/l	86
89) n-Butylbenzene	12.39	91	15670	1.75	ug/l	95
90) Hexachloroethane	12.60	117	3011	1.77	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	11603	2.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1820	1.86	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	8013	1.88	ug/l	98
94) Hexachlorobutadiene	13.78	225	4367	1.94	ug/l	93
95) Naphthalene	13.83	128	20095	1.63	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	8296	1.90	ug/l	94

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

