

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072318\
 Data File : VX003639.D
 Acq On : 24 Jul 2018 08:02
 Operator : JC/SP
 Sample : J4073-19MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 3:55:10 PM

Quant Time: Jul 24 09:20:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	352394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206298	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	145312	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	5.51	113	139089	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	8.72	98	512516	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.14	95	186790	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	89507	45.49	ug/l	100
3) Chloromethane	1.32	50	113222	46.40	ug/l	97
4) Vinyl Chloride	1.40	62	130234	41.42	ug/l	99
5) Bromomethane	1.64	94	61184	48.86	ug/l	100
6) Chloroethane	1.72	64	89972	48.36	ug/l	99
7) Trichlorofluoromethane	1.92	101	199337	47.52	ug/l	99
8) Diethyl Ether	2.19	74	85404	47.40	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.38	101	120562	43.91	ug/l	93
10) Methyl Iodide	2.51	142	183896	55.76	ug/l	92
11) Tert butyl alcohol	3.08	59	166854	287.80	ug/l	100
12) 1,1-Dichloroethene	2.37	96	120016	47.47	ug/l	86
13) Acrolein	2.29	56	41082	156.83	ug/l	100
14) Allyl chloride	2.73	41	186036	41.57	ug/l #	85
15) Acrylonitrile	3.15	53	367240	248.80	ug/l	98
16) Acetone	2.45	43	296612	268.02	ug/l #	85
17) Carbon Disulfide	2.57	76	301542	44.11	ug/l	98
18) Methyl Acetate	2.78	43	146163	41.89	ug/l #	90
19) Methyl tert-butyl Ether	3.21	73	420169	50.90	ug/l	98
20) Methylene Chloride	2.86	84	140114	51.81	ug/l	85
21) trans-1,2-Dichloroethene	3.16	96	132034	46.94	ug/l	89
22) Diisopropyl ether	3.89	45	415570	49.35	ug/l #	89
23) Vinyl Acetate	3.83	43	1308640	188.66	ug/l #	93
24) 1,1-Dichloroethane	3.70	63	241335	48.85	ug/l	97
25) 2-Butanone	4.71	43	488874	263.28	ug/l #	88
26) 2,2-Dichloropropane	4.59	77	71323	19.01	ug/l	82
27) cis-1,2-Dichloroethene	4.60	96	155718	49.72	ug/l	90
28) Bromochloromethane	5.03	49	103778	48.06	ug/l #	78
29) Tetrahydrofuran	5.17	42	313066	255.23	ug/l #	87
30) Chloroform	5.21	83	251160	52.06	ug/l	99
31) Cyclohexane	5.57	56	194408	44.04	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	215665	52.20	ug/l	96
36) 1,1-Dichloropropene	5.80	75	177567	46.67	ug/l	97
37) Ethyl Acetate	4.87	43	147502	40.97	ug/l #	94
38) Carbon Tetrachloride	5.78	117	191549	51.33	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196117	43.52	ug/l	91
40) Benzene	6.15	78	610351	53.13	ug/l	96
41) Methacrylonitrile	5.07	41	103039	48.70	ug/l #	89
42) 1,2-Dichloroethane	6.20	62	181954	50.27	ug/l	93
43) Isopropyl Acetate	6.47	43	255506	44.61	ug/l #	90
44) Trichloroethene	7.21	130	177227	51.73	ug/l	95
45) 1,2-Dichloropropane	7.52	63	145207	49.78	ug/l	100
46) Dibromomethane	7.67	93	98694	52.56	ug/l	91
47) Bromodichloromethane	7.90	83	185716	54.02	ug/l	96
48) Methyl methacrylate	7.78	41	146952	50.88	ug/l #	80
49) 1,4-Dioxane	7.76	88	76682	1171.80	ug/l #	90
51) 4-Methyl-2-Pentanone	8.65	43	966511	267.13	ug/l	90
52) Toluene	8.79	92	367536	50.83	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	192118	45.40	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	177679	46.69	ug/l #	86
55) 1,1,2-Trichloroethane	9.22	97	153166	53.23	ug/l	96
56) Ethyl methacrylate	9.18	69	216177	53.34	ug/l #	79
57) 1,3-Dichloropropane	9.37	76	242229	52.08	ug/l	100
59) 2-Hexanone	9.50	43	735058	274.20	ug/l	86
60) Dibromochloromethane	9.59	129	160967	56.52	ug/l	100
61) 1,2-Dibromoethane	9.68	107	159267	53.40	ug/l	100
64) Tetrachloroethene	9.34	164	200049	49.41	ug/l	98
65) Chlorobenzene	10.14	112	431965	50.45	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	160642	54.53	ug/l	100
67) Ethyl Benzene	10.26	91	689230	50.07	ug/l	98
68) m/p-Xylenes	10.36	106	548479	101.63	ug/l	94
69) o-Xylene	10.70	106	269362	51.62	ug/l	94
70) Styrene	10.71	104	455109	53.02	ug/l	96
71) Bromoform	10.86	173	131937	57.65	ug/l	99
73) Isopropylbenzene	11.02	105	710700	49.81	ug/l	99
74) N-amyl acetate	6.47	43	255506	42.18	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	217661	52.06	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	187986m	50.72	ug/l	
77) Bromobenzene	11.26	156	206910	50.42	ug/l	93
78) n-propylbenzene	11.36	91	773976	48.80	ug/l	97
79) 2-Chlorotoluene	11.42	91	471633	48.99	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	590119	50.33	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	44723	35.02	ug/l	87
82) 4-Chlorotoluene	11.51	91	548421	48.61	ug/l	96
83) tert-Butylbenzene	11.77	119	590246	51.40	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	606855	50.86	ug/l	96
85) sec-Butylbenzene	11.95	105	683575	49.01	ug/l	98
86) p-Isopropyltoluene	12.07	119	621624	49.66	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	366830	48.63	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	369902	47.60	ug/l	98
89) n-Butylbenzene	12.39	91	485458	45.67	ug/l	98
90) Hexachloroethane	12.60	117	88011	49.46	ug/l	90
91) 1,2-Dichlorobenzene	12.40	146	377181	50.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44131	54.24	ug/l	81
93) 1,2,4-Trichlorobenzene	13.65	180	268323	49.25	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	124184	47.39	ug/l	98
95) Naphthalene	13.83	128	785491	54.86	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	278741	51.68	ug/l	99

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

