

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000963.D
 Acq On : 17 Apr 2018 10:54
 Operator : JC/MD
 Sample : J2349-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:53:49 PM

Quant Time: Apr 17 12:56:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	213842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	298115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	193003	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	138683	51.43	ug/l	0.00
Spiked Amount						
			Recovery	=	102.86%	
35) Dibromofluoromethane	5.51	113	117063	50.97	ug/l	0.00
Spiked Amount						
			Recovery	=	101.94%	
50) Toluene-d8	8.72	98	426462	49.87	ug/l	0.00
Spiked Amount						
			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.14	95	173902	49.15	ug/l	0.00
Spiked Amount						
			Recovery	=	98.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	123496	51.16	ug/l	100
3) Chloromethane	1.32	50	116283	56.18	ug/l	99
4) Vinyl Chloride	1.41	62	130934	56.24	ug/l	98
5) Bromomethane	1.64	94	77732	81.54	ug/l	99
6) Chloroethane	1.73	64	79551	56.38	ug/l	99
7) Trichlorofluoromethane	1.93	101	195660	55.71	ug/l	98
8) Diethyl Ether	2.19	74	75174	57.29	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	113930	55.01	ug/l	98
10) Methyl Iodide	2.51	142	97949	59.00	ug/l	99
11) Tert butyl alcohol	3.07	59	115625	241.53	ug/l	99
12) 1,1-Dichloroethene	2.38	96	106460	54.24	ug/l	98
13) Acrolein	2.30	56	27918	120.09	ug/l	98
14) Allyl chloride	2.73	41	191787	52.85	ug/l	99
15) Acrylonitrile	3.15	53	294568	288.62	ug/l	99
16) Acetone	2.45	43	238886	256.92	ug/l	100
17) Carbon Disulfide	2.57	76	263789	44.39	ug/l	99
18) Methyl Acetate	2.78	43	145968	60.66	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	380589	58.22	ug/l	98
20) Methylene Chloride	2.86	84	119404	55.21	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	116817	53.97	ug/l	99
22) Diisopropyl ether	3.88	45	401881	60.26	ug/l	99
23) Vinyl Acetate	3.83	43	1617224	276.18	ug/l	98
24) 1,1-Dichloroethane	3.70	63	217420	58.10	ug/l	100
25) 2-Butanone	4.71	43	416277	271.11	ug/l	99
26) 2,2-Dichloropropane	4.59	77	136669	36.79	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	152705	62.17	ug/l	96
28) Bromochloromethane	5.03	49	81750	54.25	ug/l	97
29) Tetrahydrofuran	5.17	42	269562	276.49	ug/l	100
30) Chloroform	5.23	83	231140	58.33	ug/l	99
31) Cyclohexane	5.59	56	185352	52.15	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	205846	54.53	ug/l	99
36) 1,1-Dichloropropene	5.81	75	167517	51.02	ug/l	99
37) Ethyl Acetate	4.87	43	162037	50.56	ug/l	99
38) Carbon Tetrachloride	5.79	117	181081	49.28	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	186535	47.31	ug/l	98
40) Benzene	6.15	78	494045	54.16	ug/l	100
41) Methacrylonitrile	5.07	41	101367	54.74	ug/l	100
42) 1,2-Dichloroethane	6.21	62	189408	55.59	ug/l	99
43) Isopropyl Acetate	6.47	43	284455	51.77	ug/l	100
44) Trichloroethene	7.22	130	148441	52.32	ug/l	99
45) 1,2-Dichloropropane	7.52	63	130587	56.21	ug/l	97
46) Dibromomethane	7.67	93	87500	54.03	ug/l	100
47) Bromodichloromethane	7.90	83	172901	52.90	ug/l	98
48) Methyl methacrylate	7.79	41	152992	53.71	ug/l	100
49) 1,4-Dioxane	7.76	88	49431	863.56	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	896183	277.64	ug/l	99
52) Toluene	8.79	92	328051	54.20	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	196825	50.20	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	187234	49.04	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	134839	56.12	ug/l	99
56) Ethyl methacrylate	9.19	69	201643	54.40	ug/l	100
57) 1,3-Dichloropropane	9.38	76	219942	57.58	ug/l	100
59) 2-Hexanone	9.51	43	668855	268.41	ug/l	100
60) Dibromochloromethane	9.59	129	147165	51.19	ug/l	100
61) 1,2-Dibromoethane	9.68	107	140432	55.09	ug/l	100
64) Tetrachloroethene	9.34	164	141394	51.26	ug/l	98
65) Chlorobenzene	10.15	112	394961	55.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	142691	53.42	ug/l	99
67) Ethyl Benzene	10.26	91	645601	54.56	ug/l	99
68) m/p-Xylenes	10.37	106	504374	107.99	ug/l	99
69) o-Xylene	10.71	106	247340	54.95	ug/l	100
70) Styrene	10.72	104	414821	54.66	ug/l	99
71) Bromoform	10.87	173	118602	47.95	ug/l	99
73) Isopropylbenzene	11.02	105	663816	54.22	ug/l	100
74) N-amyl acetate	6.47	43	284455	51.59	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	198818	55.95	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	202910m	60.96	ug/l	
77) Bromobenzene	11.26	156	195306	54.43	ug/l	100
78) n-propylbenzene	11.37	91	739810	52.82	ug/l	100
79) 2-Chlorotoluene	11.43	91	448294	54.16	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	562823	53.45	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	48626	40.19	ug/l	91
82) 4-Chlorotoluene	11.52	91	536476	53.69	ug/l	99
83) tert-Butylbenzene	11.77	119	576667	53.53	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	580079	53.36	ug/l	99
85) sec-Butylbenzene	11.95	105	660984	52.01	ug/l	99
86) p-Isopropyltoluene	12.07	119	606246	51.15	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	356383	53.66	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	362151	53.21	ug/l	99
89) n-Butylbenzene	12.40	91	518937	49.61	ug/l	100
90) Hexachloroethane	12.60	117	93540	46.64	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	355791	55.49	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40855	45.89	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	284652	52.03	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	112052	41.65	ug/l	100
95) Naphthalene	13.84	128	755296	53.78	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	277428	52.21	ug/l	99

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

