

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041118\
 Data File : VX000779.D
 Acq On : 11 Apr 2018 15:30
 Operator : JC/MD
 Sample : VX0411WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2018 10:51:26 AM

Quant Time: Apr 12 07:35:46 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	236987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	208168	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	158245	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	5.51	113	133668	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	8.72	98	480121	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.15	95	194727	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	56844	21.25	ug/l	99
3) Chloromethane	1.32	50	42497	18.53	ug/l	98
4) Vinyl Chloride	1.40	62	53047	20.56	ug/l	97
5) Bromomethane	1.64	94	15112	13.13	ug/l	100
6) Chloroethane	1.73	64	31738	20.30	ug/l	99
7) Trichlorofluoromethane	1.93	101	81613	20.97	ug/l	99
8) Diethyl Ether	2.19	74	31834	21.89	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47407	20.66	ug/l	99
10) Methyl Iodide	2.51	142	11649	13.68	ug/l	99
11) Tert butyl alcohol	3.07	59	63607	119.89	ug/l	99
12) 1,1-Dichloroethene	2.38	96	45616	20.97	ug/l	99
13) Acrolein	2.30	56	25015	97.09	ug/l	99
14) Allyl chloride	2.73	41	83459	20.75	ug/l	100
15) Acrylonitrile	3.15	53	130805	115.65	ug/l	100
16) Acetone	2.45	43	117308	113.84	ug/l	99
17) Carbon Disulfide	2.57	76	131295	19.93	ug/l	99
18) Methyl Acetate	2.78	43	63357	23.76	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	159668	22.04	ug/l	99
20) Methylene Chloride	2.86	84	51843	21.63	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	49940	20.82	ug/l	99
22) Diisopropyl ether	3.88	45	166020	22.46	ug/l	97
23) Vinyl Acetate	3.83	43	749658	115.52	ug/l	98
24) 1,1-Dichloroethane	3.70	63	90021	21.71	ug/l	100
25) 2-Butanone	4.71	43	197223	115.90	ug/l	98
26) 2,2-Dichloropropane	4.59	77	82396	20.02	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	59216	21.75	ug/l	99
28) Bromochloromethane	5.03	49	35794	21.43	ug/l	98
29) Tetrahydrofuran	5.18	42	125850	116.48	ug/l	100
30) Chloroform	5.22	83	96130	21.89	ug/l	100
31) Cyclohexane	5.59	56	80324	20.39	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	89030	21.28	ug/l	99
36) 1,1-Dichloropropene	5.81	75	71371	19.64	ug/l	99
37) Ethyl Acetate	4.87	43	76276	21.50	ug/l	99
38) Carbon Tetrachloride	5.79	117	80269	19.73	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	83689	19.18	ug/l	99
40) Benzene	6.15	78	206797	20.48	ug/l	99
41) Methacrylonitrile	5.07	41	44159	21.54	ug/l	100
42) 1,2-Dichloroethane	6.21	62	80273	21.28	ug/l	99
43) Isopropyl Acetate	6.48	43	128897	21.19	ug/l	100
44) Trichloroethene	7.22	130	63029	20.07	ug/l	96
45) 1,2-Dichloropropane	7.52	63	52172	20.29	ug/l	96
46) Dibromomethane	7.67	93	37269	20.79	ug/l	99
47) Bromodichloromethane	7.91	83	73912	20.43	ug/l	100
48) Methyl methacrylate	7.79	41	67761	21.49	ug/l	99
49) 1,4-Dioxane	7.76	88	28930	456.59	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	393302	110.08	ug/l	99
52) Toluene	8.79	92	136145	20.32	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	87935	20.26	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	85719	20.28	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	55046	20.70	ug/l	99
56) Ethyl methacrylate	9.19	69	85589	20.86	ug/l	99
57) 1,3-Dichloropropane	9.38	76	88976	21.04	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	209656	109.38	ug/l	100
59) 2-Hexanone	9.51	43	298511	108.22	ug/l	99
60) Dibromochloromethane	9.59	129	64408	20.24	ug/l	99
61) 1,2-Dibromoethane	9.68	107	59684	21.15	ug/l	98
64) Tetrachloroethene	9.34	164	61611	20.27	ug/l	96
65) Chlorobenzene	10.15	112	160206	20.48	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	59999	20.38	ug/l	100
67) Ethyl Benzene	10.26	91	265237	20.34	ug/l	99
68) m/p-Xylenes	10.37	106	209868	40.78	ug/l	100
69) o-Xylene	10.71	106	100917	20.34	ug/l	100
70) Styrene	10.72	104	170787	20.42	ug/l	99
71) Bromoform	10.87	173	54078	19.84	ug/l #	100
73) Isopropylbenzene	11.02	105	272582	20.64	ug/l	100
74) N-amyl acetate	6.48	43	128897	21.67	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	82461	21.52	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	76918m	21.43	ug/l	
77) Bromobenzene	11.26	156	79992	20.67	ug/l	100
78) n-propylbenzene	11.37	91	307721	20.37	ug/l	100
79) 2-Chlorotoluene	11.43	91	184595	20.68	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	231766	20.41	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	24198	18.54	ug/l	95
82) 4-Chlorotoluene	11.52	91	220636	20.47	ug/l	99
83) tert-Butylbenzene	11.77	119	241009	20.74	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	238750	20.36	ug/l	100
85) sec-Butylbenzene	11.95	105	277743	20.26	ug/l	100
86) p-Isopropyltoluene	12.07	119	255329	19.97	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	146423	20.44	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	148504	20.23	ug/l	99
89) n-Butylbenzene	12.40	91	224819	19.93	ug/l	100
90) Hexachloroethane	12.60	117	40701	18.82	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	143249	20.71	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19827	20.65	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	118475	20.08	ug/l	99
94) Hexachlorobutadiene	13.79	225	56104	19.34	ug/l	100
95) Naphthalene	13.84	128	322996	21.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117530	20.51	ug/l	100

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

