

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000759.D
 Acq On : 10 Apr 2018 20:20
 Operator : JC/MD
 Sample : VX0410WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0410WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/11/2018 11:20:48 AM

Quant Time: Apr 11 08:45:23 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	269755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	362715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228655	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	162937	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
35) Dibromofluoromethane	5.51	113	136769	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	8.73	98	502397	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.15	95	202446	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	59430	19.52	ug/l	100
3) Chloromethane	1.32	50	49228	18.86	ug/l	99
4) Vinyl Chloride	1.40	62	57565	19.60	ug/l	100
5) Bromomethane	1.64	94	29035	23.14	ug/l	96
6) Chloroethane	1.73	64	34742	19.52	ug/l	99
7) Trichlorofluoromethane	1.93	101	86102	19.43	ug/l	95
8) Diethyl Ether	2.19	74	32326	19.53	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50216	19.22	ug/l	98
10) Methyl Iodide	2.52	142	26769	19.23	ug/l	100
11) Tert butyl alcohol	3.07	59	63298	104.82	ug/l	98
12) 1,1-Dichloroethene	2.38	96	47334	19.12	ug/l	96
13) Acrolein	2.30	56	26719	91.11	ug/l	99
14) Allyl chloride	2.73	41	87598	19.13	ug/l	99
15) Acrylonitrile	3.15	53	134082	104.14	ug/l	99
16) Acetone	2.45	43	120445	102.69	ug/l	100
17) Carbon Disulfide	2.57	76	139013	18.54	ug/l	99
18) Methyl Acetate	2.78	43	63068	20.78	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	165231	20.04	ug/l	99
20) Methylene Chloride	2.86	84	57838	21.20	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	51774	18.96	ug/l	98
22) Diisopropyl ether	3.89	45	172257	20.47	ug/l	97
23) Vinyl Acetate	3.83	43	766160	103.72	ug/l	98
24) 1,1-Dichloroethane	3.70	63	92813	19.66	ug/l	100
25) 2-Butanone	4.71	43	200748	103.64	ug/l	99
26) 2,2-Dichloropropane	4.59	77	85933	18.34	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	60516	19.53	ug/l	100
28) Bromochloromethane	5.03	49	38205	20.10	ug/l	96
29) Tetrahydrofuran	5.18	42	125945	102.41	ug/l	99
30) Chloroform	5.23	83	99753	19.96	ug/l	99
31) Cyclohexane	5.58	56	85846	19.15	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	92515	19.43	ug/l	99
36) 1,1-Dichloropropene	5.81	75	74724	18.71	ug/l	98
37) Ethyl Acetate	4.87	43	77574	19.89	ug/l	99
38) Carbon Tetrachloride	5.79	117	83586	18.69	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	88184	18.38	ug/l	97
40) Benzene	6.15	78	213861	19.27	ug/l	98
41) Methacrylonitrile	5.07	41	45503	20.20	ug/l	99
42) 1,2-Dichloroethane	6.21	62	82080	19.80	ug/l	100
43) Isopropyl Acetate	6.48	43	131209	19.63	ug/l	100
44) Trichloroethene	7.22	130	65553	18.99	ug/l	99
45) 1,2-Dichloropropane	7.52	63	55203	19.53	ug/l	100
46) Dibromomethane	7.67	93	38112	19.34	ug/l	99
47) Bromodichloromethane	7.91	83	78125	19.64	ug/l	98
48) Methyl methacrylate	7.79	41	69617	20.09	ug/l	99
49) 1,4-Dioxane	7.77	88	28682	411.83	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	403810	102.82	ug/l	99
52) Toluene	8.79	92	140761	19.12	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	92120	19.31	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	89463	19.26	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	56643	19.38	ug/l	99
56) Ethyl methacrylate	9.19	69	88443	19.61	ug/l	100
57) 1,3-Dichloropropane	9.38	76	93082	20.03	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	216987	102.99	ug/l	100
59) 2-Hexanone	9.51	43	310833	102.52	ug/l	99
60) Dibromochloromethane	9.59	129	67668	19.35	ug/l	100
61) 1,2-Dibromoethane	9.68	107	60764	19.59	ug/l	100
64) Tetrachloroethene	9.34	164	64090	19.22	ug/l	99
65) Chlorobenzene	10.15	112	165823	19.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	62203	19.26	ug/l	100
67) Ethyl Benzene	10.26	91	274975	19.22	ug/l	100
68) m/p-Xylenes	10.37	106	216066	38.27	ug/l	100
69) o-Xylene	10.71	106	104988	19.29	ug/l	98
70) Styrene	10.72	104	175867	19.17	ug/l	99
71) Bromoform	10.87	173	57187	19.13	ug/l	99
73) Isopropylbenzene	11.02	105	283958	19.58	ug/l	100
74) N-amyl acetate	6.48	43	131209	20.09	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	84519	20.08	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	80051m	20.30	ug/l	
77) Bromobenzene	11.26	156	83009	19.53	ug/l	100
78) n-propylbenzene	11.37	91	321220	19.36	ug/l	99
79) 2-Chlorotoluene	11.43	91	189269	19.30	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	241004	19.32	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	26380	18.40	ug/l	96
82) 4-Chlorotoluene	11.52	91	227882	19.25	ug/l	100
83) tert-Butylbenzene	11.77	119	251685	19.72	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	249044	19.34	ug/l	100
85) sec-Butylbenzene	11.95	105	290662	19.30	ug/l	100
86) p-Isopropyltoluene	12.07	119	269976	19.23	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	151553	19.26	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	153720	19.06	ug/l	99
89) n-Butylbenzene	12.40	91	235419	19.00	ug/l	99
90) Hexachloroethane	12.60	117	45428	19.12	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	148055	19.49	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20722	19.65	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	124046	19.14	ug/l	100
94) Hexachlorobutadiene	13.79	225	58852	18.47	ug/l	99
95) Naphthalene	13.84	128	330894	19.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	121035	19.23	ug/l	100

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

