

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\
 Data File : VX001587.D
 Acq On : 10 May 2018 06:00
 Operator : JC/MD
 Sample : VX0509WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:52:02 PM

Quant Time: May 10 08:35:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	316605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205801	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	169210	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	5.51	113	134432	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	8.72	98	482801	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	11.14	95	177766	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	65926	20.72	ug/l	100
3) Chloromethane	1.32	50	63032	20.35	ug/l	98
4) Vinyl Chloride	1.40	62	67602	20.91	ug/l	97
5) Bromomethane	1.64	94	36090	22.49	ug/l	97
6) Chloroethane	1.72	64	44298	20.73	ug/l	98
7) Trichlorofluoromethane	1.93	101	102140	20.99	ug/l	98
8) Diethyl Ether	2.19	74	40901	21.44	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59405	20.82	ug/l	99
10) Methyl Iodide	2.51	142	66069	16.05	ug/l	99
11) Tert butyl alcohol	3.08	59	79376	110.84	ug/l	98
12) 1,1-Dichloroethene	2.37	96	54055	20.67	ug/l	98
13) Acrolein	2.30	56	10874	68.56	ug/l	99
14) Allyl chloride	2.73	41	96486	19.79	ug/l	98
15) Acrylonitrile	3.15	53	176633	109.15	ug/l	99
16) Acetone	2.45	43	161365	104.63	ug/l	99
17) Carbon Disulfide	2.57	76	114232	17.17	ug/l	99
18) Methyl Acetate	2.78	43	98130	24.22	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	197954	21.74	ug/l	99
20) Methylene Chloride	2.86	84	64614	21.16	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	58492	20.04	ug/l	95
22) Diisopropyl ether	3.88	45	195206	21.43	ug/l	99
23) Vinyl Acetate	3.83	43	770708	101.52	ug/l	99
24) 1,1-Dichloroethane	3.70	63	106027	20.84	ug/l	99
25) 2-Butanone	4.71	43	240257	107.77	ug/l	98
26) 2,2-Dichloropropane	4.59	77	48333	12.30	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	65292	21.01	ug/l	95
28) Bromochloromethane	5.03	49	51114	23.17	ug/l	98
29) Tetrahydrofuran	5.17	42	155207	108.81	ug/l	99
30) Chloroform	5.22	83	113704	21.69	ug/l	97
31) Cyclohexane	5.58	56	90315	20.67	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	98788	21.56	ug/l	99
36) 1,1-Dichloropropene	5.81	75	78288	19.44	ug/l	99
37) Ethyl Acetate	4.87	43	91287	20.68	ug/l	100
38) Carbon Tetrachloride	5.79	117	85791	19.97	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	90422	18.99	ug/l	98
40) Benzene	6.15	78	248251	21.10	ug/l	99
41) Methacrylonitrile	5.07	41	52646	20.84	ug/l	99
42) 1,2-Dichloroethane	6.20	62	97673	21.60	ug/l	99
43) Isopropyl Acetate	6.48	43	138587	20.45	ug/l	99
44) Trichloroethene	7.22	130	74199	20.64	ug/l	100
45) 1,2-Dichloropropane	7.52	63	61714	21.04	ug/l	99
46) Dibromomethane	7.67	93	42744	20.59	ug/l	99
47) Bromodichloromethane	7.90	83	75873	19.75	ug/l	98
48) Methyl methacrylate	7.79	41	75462	20.45	ug/l	100
49) 1,4-Dioxane	7.76	88	33318	417.90	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	488826	108.54	ug/l	99
52) Toluene	8.79	92	159043	20.68	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	82560	19.01	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	70771	17.31	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	64958	20.96	ug/l	98
56) Ethyl methacrylate	9.19	69	88963	19.92	ug/l	98
57) 1,3-Dichloropropane	9.38	76	108040	21.09	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	236437	107.92	ug/l	100
59) 2-Hexanone	9.51	43	358066	103.83	ug/l	100
60) Dibromochloromethane	9.59	129	60000	18.91	ug/l	98
61) 1,2-Dibromoethane	9.68	107	67043	20.61	ug/l	99
64) Tetrachloroethene	9.34	164	90670	21.95	ug/l	97
65) Chlorobenzene	10.14	112	180141	20.72	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	63353	20.37	ug/l	98
67) Ethyl Benzene	10.26	91	291744	20.48	ug/l	99
68) m/p-Xylenes	10.37	106	232429	41.28	ug/l	99
69) o-Xylene	10.70	106	114210	20.87	ug/l	99
70) Styrene	10.72	104	184038	20.70	ug/l	99
71) Bromoform	10.87	173	46147	17.90	ug/l #	99
73) Isopropylbenzene	11.02	105	307060	21.55	ug/l	100
74) N-amyl acetate	6.48	43	138587	21.42	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91595	21.77	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	88335m	21.16	ug/l	
77) Bromobenzene	11.26	156	88553	21.38	ug/l	99
78) n-propylbenzene	11.37	91	335261	21.61	ug/l	98
79) 2-Chlorotoluene	11.43	91	205625	21.54	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	254773	21.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	17006	16.16	ug/l	87
82) 4-Chlorotoluene	11.52	91	234124	21.26	ug/l	100
83) tert-Butylbenzene	11.77	119	248450	21.05	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	263591	21.62	ug/l	100
85) sec-Butylbenzene	11.95	105	303999	21.46	ug/l	99
86) p-Isopropyltoluene	12.07	119	273269	21.03	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	153323	20.71	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	156241	20.69	ug/l	99
89) n-Butylbenzene	12.40	91	211015	19.60	ug/l	100
90) Hexachloroethane	12.60	117	38361	19.60	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	159776	21.21	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19190	20.76	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	110330	20.01	ug/l	100
94) Hexachlorobutadiene	13.79	225	59534	19.74	ug/l	99
95) Naphthalene	13.84	128	330848	21.70	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	119086	21.05	ug/l	99

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

