

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002185.D
 Acq On : 31 May 2018 19:30
 Operator : JC/MD
 Sample : VX0531WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS03

Manual Integrations
 APPROVED

MMDadoda
 6/1/2018 6:37:10 PM

Quant Time: Jun 01 03:54:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	241103	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	218383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137824	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	122153	38.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.38%	
35) Dibromofluoromethane	5.51	113	90732	37.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.26%	
50) Toluene-d8	8.72	98	336236	38.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.04%	
62) 4-Bromofluorobenzene	11.14	95	126835	37.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.28%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	38761	16.157	ug/l	97
3) Chloromethane	1.32	50	50036	18.410	ug/l	97
4) Vinyl Chloride	1.41	62	52373	19.957	ug/l	98
5) Bromomethane	1.64	94	30963	25.154	ug/l	96
6) Chloroethane	1.72	64	34032	21.998	ug/l	98
7) Trichlorofluoromethane	1.93	101	86772	22.017	ug/l	100
8) Diethyl Ether	2.19	74	33408	23.363	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50808	23.103	ug/l	97
10) Methyl Iodide	2.51	142	50201	16.871	ug/l	97
11) Tert butyl alcohol	3.07	59	94153	151.905	ug/l	98
12) 1,1-Dichloroethene	2.37	96	44018	21.378	ug/l	95
13) Acrolein	2.29	56	24856	92.751	ug/l	100
14) Allyl chloride	2.73	41	97054	22.456	ug/l	98
15) Acrylonitrile	3.15	53	175939	138.038	ug/l	99
16) Acetone	2.45	43	202469	166.146	ug/l	98
17) Carbon Disulfide	2.57	76	95523	16.120	ug/l	99
18) Methyl Acetate	2.78	43	87404	29.303	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	177412	22.909	ug/l	99
20) Methylene Chloride	2.86	84	52873	24.198	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	46194	22.165	ug/l	98
22) Diisopropyl ether	3.87	45	175470	19.960	ug/l	97
23) Vinyl Acetate	3.82	43	846359	116.116	ug/l	99
24) 1,1-Dichloroethane	3.70	63	95117	22.777	ug/l	99
25) 2-Butanone	4.71	43	256412	114.803	ug/l	98
26) 2,2-Dichloropropane	4.59	77	72213	17.084	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	48852	18.195	ug/l	92
28) Bromochloromethane	5.02	49	37016	19.862	ug/l	99
29) Tetrahydrofuran	5.17	42	157203	108.180	ug/l	99
30) Chloroform	5.22	83	87647	18.629	ug/l	98
31) Cyclohexane	5.57	56	79010	18.160	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	75791	17.279	ug/l	98
36) 1,1-Dichloropropene	5.81	75	62379	18.600	ug/l	98
37) Ethyl Acetate	4.86	43	90590	20.720	ug/l	100
38) Carbon Tetrachloride	5.79	117	64517	16.497	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80292	19.488	ug/l	99
40) Benzene	6.15	78	191574	19.498	ug/l	99
41) Methacrylonitrile	5.06	41	51590	21.587	ug/l	99
42) 1,2-Dichloroethane	6.20	62	75976	19.359	ug/l	99
43) Isopropyl Acetate	6.47	43	143917	19.755	ug/l	99
44) Trichloroethene	7.21	130	53651	18.739	ug/l	99
45) 1,2-Dichloropropane	7.52	63	52479	19.668	ug/l	100
46) Dibromomethane	7.66	93	34952	19.785	ug/l	99
47) Bromodichloromethane	7.90	83	60468	16.053	ug/l	96
48) Methyl methacrylate	7.78	41	71509	19.286	ug/l	95
49) 1,4-Dioxane	7.76	88	32235	493.360	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	490434	111.678	ug/l	98
52) Toluene	8.79	92	121726	19.468	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	73455	16.932	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	68654	16.240	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	52271	20.011	ug/l	98
56) Ethyl methacrylate	9.18	69	83173	18.512	ug/l	98
57) 1,3-Dichloropropane	9.38	76	85838	19.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	170861	85.801	ug/l	99
59) 2-Hexanone	9.50	43	386681	114.195	ug/l	100
60) Dibromochloromethane	9.59	129	47978	15.507	ug/l	99
61) 1,2-Dibromoethane	9.68	107	54517	19.890	ug/l	98
64) Tetrachloroethene	9.34	164	61892	19.767	ug/l	97
65) Chlorobenzene	10.14	112	137189	19.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	49205	17.612	ug/l	99
67) Ethyl Benzene	10.26	91	237553	19.761	ug/l	98
68) m/p-Xylenes	10.37	106	180406	39.259	ug/l	100
69) o-Xylene	10.70	106	90469	19.717	ug/l	99
70) Styrene	10.72	104	143836	18.903	ug/l	99
71) Bromoform	10.86	173	36387	13.735	ug/l #	99
73) Isopropylbenzene	11.02	105	240678	20.622	ug/l	99
74) N-amyl acetate	6.47	43	143917	22.004	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	78083	23.798	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	83201m	25.133	ug/l	
77) Bromobenzene	11.26	156	62811	20.284	ug/l	97
78) n-propylbenzene	11.37	91	265081	20.279	ug/l	99
79) 2-Chlorotoluene	11.43	91	161839	21.244	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	200789	20.131	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	20891	15.167	ug/l #	84
82) 4-Chlorotoluene	11.51	91	185521	20.123	ug/l	100
83) tert-Butylbenzene	11.77	119	196175	20.043	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	205444	19.932	ug/l	99
85) sec-Butylbenzene	11.95	105	241726	20.545	ug/l	100
86) p-Isopropyltoluene	12.07	119	212395	20.174	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	111442	20.096	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	110936	20.010	ug/l	99
89) n-Butylbenzene	12.39	91	170494	19.112	ug/l	100
90) Hexachloroethane	12.60	117	30261	14.572	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	115737	20.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18481	17.810	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	77071	19.076	ug/l	100
94) Hexachlorobutadiene	13.79	225	39842	18.332	ug/l	99
95) Naphthalene	13.84	128	261789	21.031	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	82427	19.717	ug/l	99

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

