

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
 Data File : VX001287.D
 Acq On : 01 May 2018 20:19
 Operator : JC/MD
 Sample : VX0501WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:57 PM

Quant Time: May 02 05:20:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	192544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	253382	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	240836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	161496	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	122332	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
35) Dibromofluoromethane	5.51	113	103407	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	8.72	98	382196	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	11.14	95	144658	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	46595	21.88	ug/l	99
3) Chloromethane	1.32	50	42341	20.25	ug/l	98
4) Vinyl Chloride	1.40	62	46928	21.32	ug/l	100
5) Bromomethane	1.64	94	37818	22.15	ug/l	100
6) Chloroethane	1.73	64	29712	21.35	ug/l	98
7) Trichlorofluoromethane	1.93	101	80150	21.57	ug/l	99
8) Diethyl Ether	2.19	74	27153	21.29	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	45455	21.22	ug/l	98
10) Methyl Iodide	2.51	142	39562	19.81	ug/l	99
11) Tert butyl alcohol	3.09	59	60581	132.11	ug/l	100
12) 1,1-Dichloroethene	2.37	96	39886	20.65	ug/l	93
13) Acrolein	2.30	56	23994	90.88	ug/l	99
14) Allyl chloride	2.73	41	73555	21.77	ug/l	99
15) Acrylonitrile	3.15	53	122649	115.40	ug/l	99
16) Acetone	2.45	43	132635	116.58	ug/l	99
17) Carbon Disulfide	2.57	76	96746	19.23	ug/l	98
18) Methyl Acetate	2.78	43	64591	24.04	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	143151	21.76	ug/l	98
20) Methylene Chloride	2.86	84	46437	21.72	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	43561	20.72	ug/l	98
22) Diisopropyl ether	3.88	45	129587	19.91	ug/l	98
23) Vinyl Acetate	3.83	43	562266	101.95	ug/l	99
24) 1,1-Dichloroethane	3.70	63	79678	21.98	ug/l	98
25) 2-Butanone	4.72	43	172780	112.32	ug/l	98
26) 2,2-Dichloropropane	4.59	77	57053	19.34	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	46592	20.17	ug/l	97
28) Bromochloromethane	5.03	49	37061	22.74	ug/l	99
29) Tetrahydrofuran	5.18	42	105851	111.88	ug/l	98
30) Chloroform	5.23	83	77175	20.14	ug/l	96
31) Cyclohexane	5.58	56	62789	19.18	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	67372	20.12	ug/l	100
36) 1,1-Dichloropropene	5.81	75	56100	19.18	ug/l	99
37) Ethyl Acetate	4.87	43	62850	21.28	ug/l	99
38) Carbon Tetrachloride	5.79	117	59907	19.55	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65674	18.99	ug/l	99
40) Benzene	6.15	78	166217	19.76	ug/l	100
41) Methacrylonitrile	5.08	41	36212	21.06	ug/l	98
42) 1,2-Dichloroethane	6.21	62	64588	19.83	ug/l	98
43) Isopropyl Acetate	6.48	43	100280	20.98	ug/l	99
44) Trichloroethene	7.22	130	51117	19.85	ug/l	98
45) 1,2-Dichloropropane	7.52	63	42561	19.70	ug/l	99
46) Dibromomethane	7.67	93	29730	19.63	ug/l	99
47) Bromodichloromethane	7.91	83	53459	19.74	ug/l	97
48) Methyl methacrylate	7.79	41	51714	20.35	ug/l	98
49) 1,4-Dioxane	7.76	88	23859	497.49	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	340203	110.38	ug/l	100
52) Toluene	8.79	92	108909	19.81	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	62735	19.48	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	57917	19.55	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	45843	20.64	ug/l	99
56) Ethyl methacrylate	9.19	69	63796	20.73	ug/l	98
57) 1,3-Dichloropropane	9.38	76	73158	20.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	156886	105.65	ug/l	100
59) 2-Hexanone	9.51	43	265846	110.36	ug/l	100
60) Dibromochloromethane	9.59	129	45079	19.45	ug/l	99
61) 1,2-Dibromoethane	9.68	107	48513	20.61	ug/l	99
64) Tetrachloroethene	9.34	164	59288	20.78	ug/l	98
65) Chlorobenzene	10.14	112	128285	19.59	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	46402	20.41	ug/l	99
67) Ethyl Benzene	10.26	91	210107	19.47	ug/l	100
68) m/p-Xylenes	10.37	106	168274	39.62	ug/l	98
69) o-Xylene	10.70	106	80053	19.44	ug/l	99
70) Styrene	10.72	104	131655	19.54	ug/l	98
71) Bromoform	10.87	173	36096	19.07	ug/l #	100
73) Isopropylbenzene	11.02	105	216504	20.04	ug/l	100
74) N-amyl acetate	6.48	43	100280	21.64	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	67996	21.01	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	63344m	21.21	ug/l	
77) Bromobenzene	11.26	156	62774	20.14	ug/l	100
78) n-propylbenzene	11.37	91	241747	20.13	ug/l	100
79) 2-Chlorotoluene	11.43	91	146192	20.18	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	183928	20.27	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	14512	18.74	ug/l	91
82) 4-Chlorotoluene	11.52	91	172749	19.82	ug/l	100
83) tert-Butylbenzene	11.77	119	185115	20.46	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	191978	20.65	ug/l	100
85) sec-Butylbenzene	11.95	105	221832	20.49	ug/l	100
86) p-Isopropyltoluene	12.07	119	202448	20.39	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	113982	19.59	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	115103	19.19	ug/l	99
89) n-Butylbenzene	12.39	91	168843	19.48	ug/l	100
90) Hexachloroethane	12.60	117	27751	19.30	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	114556	19.78	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14366	21.96	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	87848	18.86	ug/l	99
94) Hexachlorobutadiene	13.79	225	47478	19.48	ug/l	99
95) Naphthalene	13.84	128	249676	21.13	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	90121	19.71	ug/l	99

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

