

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001848.D
 Acq On : 19 May 2018 02:00
 Operator : JC/MD
 Sample : VX0518WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:40 PM

Quant Time: May 19 05:37:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178423	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	173948	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
35) Dibromofluoromethane	5.51	113	153173	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	8.72	98	567303	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.14	95	168541	42.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.96%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	49748	18.25	ug/l	99
3) Chloromethane	1.32	50	60763	20.63	ug/l	99
4) Vinyl Chloride	1.40	62	62916	19.76	ug/l	98
5) Bromomethane	1.64	94	33973	23.68	ug/l	99
6) Chloroethane	1.72	64	43730	21.80	ug/l	98
7) Trichlorofluoromethane	1.93	101	89006	19.24	ug/l	97
8) Diethyl Ether	2.19	74	40345	21.18	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54451	19.55	ug/l	99
10) Methyl Iodide	2.51	142	69632	27.17	ug/l	97
11) Tert butyl alcohol	3.08	59	77399	119.71	ug/l	100
12) 1,1-Dichloroethene	2.37	96	51301	19.10	ug/l	99
13) Acrolein	2.30	56	38731	84.46	ug/l	99
14) Allyl chloride	2.73	41	99098	19.96	ug/l	95
15) Acrylonitrile	3.15	53	182779	112.55	ug/l	99
16) Acetone	2.45	43	155835	108.95	ug/l	97
17) Carbon Disulfide	2.57	76	116320	16.61	ug/l	98
18) Methyl Acetate	2.78	43	103095	24.65	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	191189	21.12	ug/l	98
20) Methylene Chloride	2.86	84	61978	20.24	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	55395	18.73	ug/l	96
22) Diisopropyl ether	3.88	45	204402	21.47	ug/l	98
23) Vinyl Acetate	3.83	43	675183	98.42	ug/l	99
24) 1,1-Dichloroethane	3.70	63	108028	20.69	ug/l	99
25) 2-Butanone	4.71	43	261251	119.30	ug/l	98
26) 2,2-Dichloropropane	4.59	77	58289	13.86	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	69889	20.76	ug/l	98
28) Bromochloromethane	5.03	49	57167	24.64	ug/l	97
29) Tetrahydrofuran	5.18	42	167121	117.08	ug/l	99
30) Chloroform	5.22	83	115513	21.06	ug/l	98
31) Cyclohexane	5.57	56	93149	20.35	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	96502	20.36	ug/l	100
36) 1,1-Dichloropropene	5.80	75	78714	18.98	ug/l	99
37) Ethyl Acetate	4.87	43	97892	22.65	ug/l	100
38) Carbon Tetrachloride	5.79	117	84959	19.55	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	92958	19.18	ug/l	98
40) Benzene	6.15	78	255319	20.89	ug/l	99
41) Methacrylonitrile	5.07	41	55620	22.25	ug/l	98
42) 1,2-Dichloroethane	6.21	62	90219	20.41	ug/l	98
43) Isopropyl Acetate	6.48	43	142380	21.05	ug/l	98
44) Trichloroethene	7.22	130	76322	20.12	ug/l	95
45) 1,2-Dichloropropane	7.52	63	66471	22.17	ug/l	99
46) Dibromomethane	7.67	93	44238	21.01	ug/l	97
47) Bromodichloromethane	7.90	83	80947	20.72	ug/l	100
48) Methyl methacrylate	7.79	41	76419	21.46	ug/l	96
49) 1,4-Dioxane	7.76	88	35382	516.06	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	507108	118.28	ug/l	100
52) Toluene	8.79	92	167821	21.37	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	90561	19.70	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	78652	19.41	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	59720	19.90	ug/l	99
56) Ethyl methacrylate	9.19	69	81115	19.06	ug/l	97
57) 1,3-Dichloropropane	9.38	76	95760	19.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	245994	112.35	ug/l	100
59) 2-Hexanone	9.51	43	321594	104.79	ug/l	100
60) Dibromochloromethane	9.59	129	59117	19.23	ug/l	100
61) 1,2-Dibromoethane	9.68	107	60709	19.32	ug/l	100
64) Tetrachloroethene	9.34	164	76091	20.59	ug/l	98
65) Chlorobenzene	10.14	112	158631	20.32	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	59462	21.56	ug/l	99
67) Ethyl Benzene	10.26	91	254066	20.36	ug/l	99
68) m/p-Xylenes	10.37	106	202195	41.07	ug/l	100
69) o-Xylene	10.71	106	99022	21.00	ug/l	99
70) Styrene	10.72	104	160795	20.68	ug/l	99
71) Bromoform	10.86	173	47894	20.50	ug/l #	99
73) Isopropylbenzene	11.02	105	264580	22.52	ug/l	100
74) N-amyl acetate	6.48	43	142380	25.27	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	83809	23.78	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	80371m	23.69	ug/l	
77) Bromobenzene	11.26	156	76674	22.21	ug/l	100
78) n-propylbenzene	11.37	91	283581	21.42	ug/l	98
79) 2-Chlorotoluene	11.43	91	175965	22.23	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	221297	22.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	18444	18.43	ug/l	92
82) 4-Chlorotoluene	11.52	91	200755	21.52	ug/l	99
83) tert-Butylbenzene	11.77	119	215707	22.49	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	226002	22.64	ug/l	99
85) sec-Butylbenzene	11.95	105	262317	22.15	ug/l	100
86) p-Isopropyltoluene	12.07	119	234865	21.43	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	133973	20.98	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	135459	20.52	ug/l	99
89) n-Butylbenzene	12.40	91	173323	18.29	ug/l	100
90) Hexachloroethane	12.60	117	37777	22.20	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	137556	21.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17895	23.79	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	97729	19.27	ug/l	99
94) Hexachlorobutadiene	13.79	225	53493	19.65	ug/l	99
95) Naphthalene	13.84	128	288715	21.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	105180	20.60	ug/l	99

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

