

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000230.D
 Acq On : 08 Mar 2018 19:45
 Operator : JC/MD
 Sample : VX0308WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

Manual Integrations
 APPROVED

apatel
 3/9/2018 9:38:36 AM

Quant Time: Mar 09 04:34:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	133857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	223124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	227204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	130194	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	86850	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
35) Dibromofluoromethane	5.51	113	67189	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	8.73	98	272056	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
62) 4-Bromofluorobenzene	11.15	95	102984	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	26553	18.20	ug/l	96
3) Chloromethane	1.32	50	28675	20.14	ug/l	99
4) Vinyl Chloride	1.40	62	33606	20.25	ug/l	97
5) Bromomethane	1.64	94	27813	15.37	ug/l	95
6) Chloroethane	1.73	64	21811	20.80	ug/l	95
7) Trichlorofluoromethane	1.93	101	56813	20.64	ug/l	95
8) Diethyl Ether	2.20	74	20539	20.33	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29794	19.38	ug/l	99
10) Methyl Iodide	2.52	142	25261	17.81	ug/l	99
11) Tert butyl alcohol	3.08	59	71011	104.15	ug/l	100
12) 1,1-Dichloroethene	2.38	96	29361	20.80	ug/l	98
13) Acrolein	2.30	56	41423	115.56	ug/l	96
14) Allyl chloride	2.73	41	52929	20.30	ug/l	98
15) Acrylonitrile	3.16	53	125003	105.35	ug/l	100
16) Acetone	2.45	43	138085	103.62	ug/l	98
17) Carbon Disulfide	2.57	76	74648	19.30	ug/l	98
18) Methyl Acetate	2.79	43	60652	21.37	ug/l	98
19) Methyl tert-butyl Ether	3.22	73	103720	20.63	ug/l	95
20) Methylene Chloride	2.86	84	32165	20.24	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	30989	19.96	ug/l	99
22) Diisopropyl ether	3.89	45	76963	17.18	ug/l	95
23) Vinyl Acetate	3.84	43	372594	86.32	ug/l	100
24) 1,1-Dichloroethane	3.70	63	53887	19.63	ug/l	98
25) 2-Butanone	4.72	43	164876	100.26	ug/l	99
26) 2,2-Dichloropropane	4.60	77	38517	19.19	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	27908	18.96	ug/l	100
28) Bromochloromethane	5.03	49	26253	22.50	ug/l	96
29) Tetrahydrofuran	5.18	42	104842	101.50	ug/l	98
30) Chloroform	5.23	83	50838	19.15	ug/l	97
31) Cyclohexane	5.59	56	39375	19.39	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	45026	19.56	ug/l	99
36) 1,1-Dichloropropene	5.81	75	37966	19.12	ug/l	99
37) Ethyl Acetate	4.88	43	55402	19.31	ug/l	99
38) Carbon Tetrachloride	5.79	117	38298	19.06	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	42754	17.55	ug/l	93
40) Benzene	6.15	78	109824	19.18	ug/l	98
41) Methacrylonitrile	5.07	41	27881	19.06	ug/l	98
42) 1,2-Dichloroethane	6.21	62	44924	20.00	ug/l	99
43) Isopropyl Acetate	6.48	43	79601	19.19	ug/l	100
44) Trichloroethene	7.23	130	31347	19.13	ug/l	100
45) 1,2-Dichloropropane	7.53	63	28825	19.88	ug/l	97
46) Dibromomethane	7.68	93	21510	18.75	ug/l	97
47) Bromodichloromethane	7.91	83	39934	19.79	ug/l	99
48) Methyl methacrylate	7.79	41	38661	18.92	ug/l	97
49) 1,4-Dioxane	7.77	88	18229	393.00	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	313401	100.10	ug/l	98
52) Toluene	8.79	92	74591	19.01	ug/l	95
53) t-1,3-Dichloropropene	8.45	75	46266	19.45	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	44455	19.32	ug/l	95
55) 1,1,2-Trichloroethane	9.23	97	31587	19.87	ug/l	96
56) Ethyl methacrylate	9.20	69	48773	20.50	ug/l	98
57) 1,3-Dichloropropane	9.38	76	52859	19.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	121110	100.84	ug/l	98
59) 2-Hexanone	9.51	43	265582	99.48	ug/l	99
60) Dibromochloromethane	9.59	129	31372	18.72	ug/l	98
61) 1,2-Dibromoethane	9.68	107	34118	19.33	ug/l	99
64) Tetrachloroethene	9.34	164	29252	18.40	ug/l	96
65) Chlorobenzene	10.15	112	89376	19.48	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	30978	19.75	ug/l	98
67) Ethyl Benzene	10.26	91	153572	19.18	ug/l	100
68) m/p-Xylenes	10.37	106	119613	38.81	ug/l	99
69) o-Xylene	10.71	106	56806	19.18	ug/l	97
70) Styrene	10.72	104	94638	19.26	ug/l	99
71) Bromoform	10.87	173	25001	17.76	ug/l #	98
73) Isopropylbenzene	11.02	105	157814	19.36	ug/l	98
74) N-amyl acetate	6.48	43	79601	19.09	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	56437	19.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	51657m	19.79	ug/l	
77) Bromobenzene	11.26	156	39512	18.75	ug/l	96
78) n-propylbenzene	11.37	91	182967	19.07	ug/l	98
79) 2-Chlorotoluene	11.43	91	105241	19.45	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	133067	19.55	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	14500	17.01	ug/l	93
82) 4-Chlorotoluene	11.52	91	127124	19.32	ug/l	99
83) tert-Butylbenzene	11.78	119	131571	19.87	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	137105	19.59	ug/l	99
85) sec-Butylbenzene	11.96	105	165695	19.78	ug/l	98
86) p-Isopropyltoluene	12.07	119	145939	19.76	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	76343	19.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	79693	18.98	ug/l	98
89) n-Butylbenzene	12.40	91	137549	19.34	ug/l	98
90) Hexachloroethane	12.60	117	21629	18.17	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	75333	18.99	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16136	20.11	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	54294	18.81	ug/l	99
94) Hexachlorobutadiene	13.79	225	21111	17.58	ug/l	98
95) Naphthalene	13.84	128	199546	19.82	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	53388	18.70	ug/l	98

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

