

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040718\
 Data File : VX000714.D
 Acq On : 07 Apr 2018 13:30
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

sam
 4/9/2018 2:02:38 PM

Quant Time: Apr 07 16:53:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 16:39:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	276729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223938	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	437115	143.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.92%	
35) Dibromofluoromethane	5.51	113	365221	144.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.92%	
50) Toluene-d8	8.73	98	1346885	145.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.22%	
62) 4-Bromofluorobenzene	11.15	95	559251	149.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	351051	141.419	ug/l	100
3) Chloromethane	1.32	50	291489	142.792	ug/l	98
4) Vinyl Chloride	1.41	62	308952	144.885	ug/l	98
5) Bromomethane	1.64	94	155188	131.655	ug/l	99
6) Chloroethane	1.71	64	183007	140.531	ug/l	99
7) Trichlorofluoromethane	1.92	101	486513	139.369	ug/l	100
8) Diethyl Ether	2.19	74	189062	145.313	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	283855	138.777	ug/l	99
10) Methyl Iodide	2.51	142	384330	172.117	ug/l	99
11) Tert butyl alcohol	3.10	59	393381	690.368	ug/l	100
12) 1,1-Dichloroethene	2.37	96	260905	141.720	ug/l	99
13) Acrolein	2.30	56	189445	860.454	ug/l	100
14) Allyl chloride	2.73	41	527760	143.515	ug/l	98
15) Acrylonitrile	3.16	53	839281	736.253	ug/l	100
16) Acetone	2.45	43	673961	704.335	ug/l	100
17) Carbon Disulfide	2.57	76	635316	145.195	ug/l	99
18) Methyl Acetate	2.78	43	437348	143.595	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1016988	142.970	ug/l	100
20) Methylene Chloride	2.86	84	304959	145.007	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	283083	143.470	ug/l	99
22) Diisopropyl ether	3.88	45	1081144	142.898	ug/l	98
23) Vinyl Acetate	3.83	43	4628131	703.550	ug/l	100
24) 1,1-Dichloroethane	3.70	63	578347	146.826	ug/l	98
25) 2-Butanone	4.72	43	1243930	705.573	ug/l	97
26) 2,2-Dichloropropane	4.59	77	546417	139.638	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	361831	142.746	ug/l	99
28) Bromochloromethane	5.03	49	220209	126.674	ug/l	98
29) Tetrahydrofuran	5.18	42	789485	701.958	ug/l	99
30) Chloroform	5.23	83	606996	143.402	ug/l	99
31) Cyclohexane	5.58	56	455855	138.639	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	565915	140.297	ug/l	99
36) 1,1-Dichloropropene	5.81	75	430829	141.002	ug/l	100
37) Ethyl Acetate	4.87	43	486728	140.322	ug/l	99
38) Carbon Tetrachloride	5.79	117	519679	140.121	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	494085	140.704	ug/l	97
40) Benzene	6.15	78	1275441	143.168	ug/l	100
41) Methacrylonitrile	5.07	41	289009	141.427	ug/l	99
42) 1,2-Dichloroethane	6.21	62	501047	141.263	ug/l	99
43) Isopropyl Acetate	6.48	43	862583	141.601	ug/l	100
44) Trichloroethene	7.22	130	385885	140.818	ug/l	99
45) 1,2-Dichloropropane	7.52	63	342590	142.636	ug/l	98
46) Dibromomethane	7.67	93	236994	143.949	ug/l	98
47) Bromodichloromethane	7.91	83	504859	145.319	ug/l	99
48) Methyl methacrylate	7.79	41	447948	143.260	ug/l	99
49) 1,4-Dioxane	7.77	88	178870	2822.482	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	2611671	720.824	ug/l	100
52) Toluene	8.79	92	849832	142.817	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	596340	144.532	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	599363	144.323	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	360071	146.384	ug/l	100
56) Ethyl methacrylate	9.19	69	582439	145.656	ug/l	99
57) 1,3-Dichloropropane	9.38	76	578759	146.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1424295	841.118	ug/l	99
59) 2-Hexanone	9.51	43	2021362	725.547	ug/l	98
60) Dibromochloromethane	9.59	129	458262	148.272	ug/l	100
61) 1,2-Dibromoethane	9.68	107	384063	146.765	ug/l	98
64) Tetrachloroethene	9.34	164	379060	137.942	ug/l	99
65) Chlorobenzene	10.15	112	1035037	142.795	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	409923	143.741	ug/l	99
67) Ethyl Benzene	10.26	91	1701654	139.829	ug/l	98
68) m/p-Xylenes	10.37	106	1346638	283.091	ug/l	99
69) o-Xylene	10.71	106	666063	142.619	ug/l	98
70) Styrene	10.72	104	1156018	144.794	ug/l	99
71) Bromoform	10.87	173	422449	151.009	ug/l #	99
73) Isopropylbenzene	11.02	105	1781784	136.448	ug/l	100
74) N-amyl acetate	6.48	43	862583	134.324	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	570112	145.939	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	511979m	135.443	ug/l	
77) Bromobenzene	11.26	156	529352	141.584	ug/l	99
78) n-propylbenzene	11.37	91	2042470	137.637	ug/l	99
79) 2-Chlorotoluene	11.43	91	1235179	140.222	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1543116	137.342	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	209644	144.409	ug/l	99
82) 4-Chlorotoluene	11.52	91	1465445	137.603	ug/l	99
83) tert-Butylbenzene	11.78	119	1595533	137.641	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	1599378	137.403	ug/l	99
85) sec-Butylbenzene	11.96	105	1850128	136.185	ug/l	100
86) p-Isopropyltoluene	12.07	119	1735392	137.058	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	980148	141.051	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1001042	141.483	ug/l	99
89) n-Butylbenzene	12.40	91	1539507	137.252	ug/l	100
90) Hexachloroethane	12.60	117	325026	140.321	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	976247	142.541	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	146549	139.764	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	812886	141.410	ug/l	100
94) Hexachlorobutadiene	13.79	225	391068	138.647	ug/l	99
95) Naphthalene	13.84	128	2165480	138.838	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	796601	141.669	ug/l	100

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

