

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000359.D
 Acq On : 20 Mar 2018 12:35
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

sam
 3/21/2018 11:44:44 AM

Quant Time: Mar 20 13:06:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 12:07:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	131720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	216194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157281	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	272434	149.51	ug/l	0.00
Spiked Amount			Recovery	=	299.02%	
35) Dibromofluoromethane	5.52	113	219775	161.12	ug/l	0.00
Spiked Amount			Recovery	=	322.24%	
50) Toluene-d8	8.73	98	986088	173.29	ug/l	0.00
Spiked Amount			Recovery	=	346.58%	
62) 4-Bromofluorobenzene	11.15	95	402981	176.60	ug/l	0.00
Spiked Amount			Recovery	=	353.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	206328	145.41	ug/l	98
3) Chloromethane	1.32	50	209054	144.53	ug/l	97
4) Vinyl Chloride	1.41	62	217658	134.35	ug/l	97
5) Bromomethane	1.64	94	290986	160.95	ug/l	96
6) Chloroethane	1.71	64	200108	173.79	ug/l	97
7) Trichlorofluoromethane	1.92	101	432080	153.56	ug/l	100
8) Diethyl Ether	2.20	74	148236	148.00	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	226805	149.70	ug/l	98
10) Methyl Iodide	2.51	142	259463	169.49	ug/l	100
11) Tert butyl alcohol	3.12	59	503589	854.13	ug/l	99
12) 1,1-Dichloroethene	2.37	96	210623	146.49	ug/l	97
13) Acrolein	2.31	56	152831	602.51	ug/l	98
14) Allyl chloride	2.73	41	385238	150.25	ug/l	99
15) Acrylonitrile	3.17	53	935599	823.00	ug/l	100
16) Acetone	2.46	43	1072595	881.57	ug/l	99
17) Carbon Disulfide	2.57	76	578265	137.67	ug/l	99
18) Methyl Acetate	2.79	43	445329	163.56	ug/l	99
19) Methyl tert-butyl Ether	3.22	73	800386	158.12	ug/l	99
20) Methylene Chloride	2.87	84	224677	142.63	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	240991	151.60	ug/l	98
22) Diisopropyl ether	3.89	45	668289	156.61	ug/l	97
23) Vinyl Acetate	3.84	43	3156991	776.17	ug/l	100
24) 1,1-Dichloroethane	3.70	63	375752	139.97	ug/l	99
25) 2-Butanone	4.73	43	1272043	874.74	ug/l	99
26) 2,2-Dichloropropane	4.60	77	316256	163.21	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	217905	150.07	ug/l	98
28) Bromochloromethane	5.04	49	172923	153.26	ug/l	99
29) Tetrahydrofuran	5.18	42	797119	851.66	ug/l	99
30) Chloroform	5.23	83	418410	165.08	ug/l	97
31) Cyclohexane	5.59	56	312023	151.48	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	370066	165.21	ug/l	98
36) 1,1-Dichloropropene	5.81	75	294566	149.95	ug/l	99
37) Ethyl Acetate	4.88	43	428937	164.30	ug/l	99
38) Carbon Tetrachloride	5.79	117	325202	164.21	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	360129	157.18	ug/l	97
40) Benzene	6.16	78	871452	156.37	ug/l	99
41) Methacrylonitrile	5.09	41	220372	160.76	ug/l	98
42) 1,2-Dichloroethane	6.21	62	332553	150.55	ug/l	99
43) Isopropyl Acetate	6.48	43	650876	172.73	ug/l	99
44) Trichloroethene	7.23	130	239787	148.49	ug/l	99
45) 1,2-Dichloropropane	7.52	63	223546	162.65	ug/l	96
46) Dibromomethane	7.67	93	170787	154.68	ug/l	98
47) Bromodichloromethane	7.91	83	337830	172.36	ug/l	100
48) Methyl methacrylate	7.79	41	314729	165.19	ug/l	98
49) 1,4-Dioxane	7.77	88	140390	3275.14	ug/l	97
51) 4-Methyl-2-Pentanone	8.67	43	2708125	925.47	ug/l	98
52) Toluene	8.79	92	661944	169.09	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	402969	178.14	ug/l	98
54) cis-1,3-Dichloropropene	9.06	75	412024	186.26	ug/l	94
55) 1,1,2-Trichloroethane	9.23	97	275672	175.50	ug/l	98
56) Ethyl methacrylate	9.20	69	453241	194.87	ug/l	95
57) 1,3-Dichloropropane	9.38	76	410333	161.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.33	63	1010492	944.74	ug/l	100
59) 2-Hexanone	9.51	43	2362412	958.24	ug/l	97
60) Dibromochloromethane	9.59	129	330087	198.73	ug/l	98
61) 1,2-Dibromoethane	9.68	107	302292	173.61	ug/l	99
64) Tetrachloroethene	9.34	164	231510	138.50	ug/l	98
65) Chlorobenzene	10.15	112	783578	164.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	275476	171.84	ug/l	98
67) Ethyl Benzene	10.26	91	1298104	159.75	ug/l	100
68) m/p-Xylenes	10.37	106	1092445	345.06	ug/l	95
69) o-Xylene	10.71	106	525888	170.99	ug/l	100
70) Styrene	10.72	104	941723	184.52	ug/l	96
71) Bromoform	10.87	173	309286	220.57	ug/l #	96
73) Isopropylbenzene	11.03	105	1475424	155.75	ug/l	99
74) N-amyl acetate	6.48	43	650876	143.53	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	542226	160.79	ug/l	100
76) 1,2,3-Trichloropropane	11.31	75	454415m	143.53	ug/l	
77) Bromobenzene	11.27	156	392651	157.92	ug/l	95
78) n-propylbenzene	11.37	91	1708645	149.58	ug/l	99
79) 2-Chlorotoluene	11.43	91	979381	151.09	ug/l	99
80) 1,3,5-Trimethylbenzene	11.52	105	1267195	157.03	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	184322	198.35	ug/l	93
82) 4-Chlorotoluene	11.52	91	1203461	151.05	ug/l	97
83) tert-Butylbenzene	11.78	119	1295106	164.51	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	1289840	155.47	ug/l	97
85) sec-Butylbenzene	11.96	105	1565311	158.82	ug/l	99
86) p-Isopropyltoluene	12.07	119	1432154	163.28	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	763226	156.42	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	788297	155.47	ug/l	98
89) n-Butylbenzene	12.40	91	1320914	154.89	ug/l	99
90) Hexachloroethane	12.60	117	241067	171.35	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	770891	163.11	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	156340	171.26	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	542316	159.30	ug/l	99
94) Hexachlorobutadiene	13.79	225	219915	163.75	ug/l	98
95) Naphthalene	13.85	128	1970096	166.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	545385	158.59	ug/l	100

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

