

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000320.D
 Acq On : 14 Mar 2018 18:07
 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
 3/15/2018 3:37:12 PM

Quant Time: Mar 15 03:22:15 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 01:30:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	143943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	238147	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	261754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	169113	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	272693	177.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	355.96%	
35) Dibromofluoromethane	5.51	113	218670	144.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.58%	
50) Toluene-d8	8.73	98	973136	167.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	335.86%	
62) 4-Bromofluorobenzene	11.15	95	398229	163.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	213072	172.67	ug/l	100
3) Chloromethane	1.32	50	204319	152.07	ug/l	97
4) Vinyl Chloride	1.41	62	215268	153.80	ug/l	97
5) Bromomethane	1.64	94	273747	230.42	ug/l	96
6) Chloroethane	1.71	64	197787	252.93	ug/l	96
7) Trichlorofluoromethane	1.92	101	417000	177.48	ug/l	98
8) Diethyl Ether	2.20	74	147614	183.75	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	225018	167.54	ug/l	99
10) Methyl Iodide	2.51	142	259646	151.07	ug/l	99
11) Tert butyl alcohol	3.12	59	486090	879.65	ug/l	100
12) 1,1-Dichloroethene	2.37	96	213345	178.07	ug/l	99
13) Acrolein	2.30	56	204400	675.65	ug/l	98
14) Allyl chloride	2.73	41	381471	168.06	ug/l	99
15) Acrylonitrile	3.17	53	883885	934.24	ug/l	99
16) Acetone	2.46	43	913489	790.28	ug/l	99
17) Carbon Disulfide	2.57	76	634242	166.83	ug/l	98
18) Methyl Acetate	2.79	43	403404	174.42	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	775260	182.43	ug/l	99
20) Methylene Chloride	2.86	84	225775	165.90	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	240392	180.25	ug/l	94
22) Diisopropyl ether	3.89	45	640497	166.01	ug/l	95
23) Vinyl Acetate	3.84	43	3092701	903.19	ug/l	99
24) 1,1-Dichloroethane	3.70	63	370697	166.61	ug/l	99
25) 2-Butanone	4.73	43	1143437	742.68	ug/l	99
26) 2,2-Dichloropropane	4.59	77	293311	149.55	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	210359	152.05	ug/l	99
28) Bromochloromethane	5.03	49	169282	161.45	ug/l	97
29) Tetrahydrofuran	5.18	42	760937	805.64	ug/l	99
30) Chloroform	5.23	83	410777	175.87	ug/l	98
31) Cyclohexane	5.58	56	311752	153.42	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	361009	166.29	ug/l	99
36) 1,1-Dichloropropene	5.81	75	297492	140.94	ug/l	99
37) Ethyl Acetate	4.88	43	414965	141.15	ug/l	99
38) Carbon Tetrachloride	5.79	117	323174	140.27	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	360327	135.57	ug/l	98
40) Benzene	6.15	78	864952	144.47	ug/l	99
41) Methacrylonitrile	5.08	41	210445	136.17	ug/l	97
42) 1,2-Dichloroethane	6.21	62	333876	153.68	ug/l	99
43) Isopropyl Acetate	6.48	43	634140	145.23	ug/l	99
44) Trichloroethene	7.22	130	240642	127.27	ug/l	94
45) 1,2-Dichloropropane	7.52	63	217722	141.28	ug/l	99
46) Dibromomethane	7.67	93	173518	150.95	ug/l	98
47) Bromodichloromethane	7.91	83	332405	152.77	ug/l	99
48) Methyl methacrylate	7.79	41	315829	146.14	ug/l	99
49) 1,4-Dioxane	7.77	88	151388	2775.26	ug/l	98
51) 4-Methyl-2-Pentanone	8.67	43	2566146	828.16	ug/l	98
52) Toluene	8.79	92	653867	163.13	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	393426	151.46	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	408277	160.49	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	270028	162.63	ug/l	98
56) Ethyl methacrylate	9.20	69	440805	166.18	ug/l	95
57) 1,3-Dichloropropane	9.38	76	414437	157.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.33	63	1015136	821.47	ug/l	100
59) 2-Hexanone	9.51	43	2205664	828.54	ug/l	97
60) Dibromochloromethane	9.59	129	319471	164.27	ug/l	97
61) 1,2-Dibromoethane	9.68	107	305705	167.41	ug/l	99
64) Tetrachloroethene	9.34	164	241646	109.60	ug/l	96
65) Chlorobenzene	10.15	112	773125	140.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	273256	134.95	ug/l	98
67) Ethyl Benzene	10.26	91	1282100	140.22	ug/l	98
68) m/p-Xylenes	10.37	106	1057531	292.50	ug/l	95
69) o-Xylene	10.71	106	514770	147.46	ug/l	97
70) Styrene	10.72	104	900578	153.68	ug/l	96
71) Bromoform	10.87	173	298303	139.80	ug/l #	97
73) Isopropylbenzene	11.02	105	1389551	136.57	ug/l	99
74) N-amyl acetate	6.48	43	634140	118.01	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	522204	145.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	436858m	100.48	ug/l	
77) Bromobenzene	11.27	156	382316	132.05	ug/l	94
78) n-propylbenzene	11.37	91	1642873	137.15	ug/l	99
79) 2-Chlorotoluene	11.43	91	936510	135.82	ug/l	98
80) 1,3,5-Trimethylbenzene	11.52	105	1211154	139.28	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	175019	139.58	ug/l	94
82) 4-Chlorotoluene	11.52	91	1155687	138.20	ug/l	97
83) tert-Butylbenzene	11.78	119	1218176	137.25	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	1246622	137.89	ug/l	97
85) sec-Butylbenzene	11.96	105	1470498	136.99	ug/l	99
86) p-Isopropyltoluene	12.07	119	1358604	135.91	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	745408	133.82	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	765241	131.67	ug/l	98
89) n-Butylbenzene	12.40	91	1265699	136.86	ug/l	99
90) Hexachloroethane	12.61	117	237098	147.65	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	743212	137.72	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	143427	129.92	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	551034	118.33	ug/l	99
94) Hexachlorobutadiene	13.79	225	200978	81.52	ug/l	98
95) Naphthalene	13.85	128	1922867	140.71	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	535563	118.48	ug/l	99

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

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