

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040718\
 Data File : VX000711.D
 Acq On : 07 Apr 2018 12:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

sam
 4/9/2018 2:02:06 PM

Quant Time: Apr 07 16:52:27 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	319378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	447889	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	413923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	243278	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	73292	20.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.68%	
35) Dibromofluoromethane	5.51	113	58853	20.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.24%	
50) Toluene-d8	8.72	98	217069	20.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.42%	
62) 4-Bromofluorobenzene	11.15	95	88583	20.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.68%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	59629	20.813 ug/l	100
3) Chloromethane	1.32	50	48251	20.480 ug/l	96
4) Vinyl Chloride	1.41	62	50069	20.345 ug/l	98
5) Bromomethane	1.65	94	36219	26.624 ug/l	98
6) Chloroethane	1.73	64	30386	20.218 ug/l	99
7) Trichlorofluoromethane	1.93	101	83133	20.635 ug/l	98
8) Diethyl Ether	2.19	74	30598	20.377 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48452	20.525 ug/l	99
10) Methyl Iodide	2.52	142	38234	14.836 ug/l	98
11) Tert butyl alcohol	3.07	59	64848	98.608 ug/l	98
12) 1,1-Dichloroethene	2.38	96	42759	20.125 ug/l	96
13) Acrolein	2.30	56	24413	96.076 ug/l	96
14) Allyl chloride	2.73	41	87911	20.714 ug/l	99
15) Acrylonitrile	3.15	53	130156	98.931 ug/l	99
16) Acetone	2.45	43	114838	103.987 ug/l	97
17) Carbon Disulfide	2.57	76	103699	20.535 ug/l	99
18) Methyl Acetate	2.78	43	70311	20.002 ug/l	100
19) Methyl tert-butyl Ether	3.21	73	168134	20.480 ug/l	100
20) Methylene Chloride	2.86	84	51978	21.415 ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	46457	20.401 ug/l	97
22) Diisopropyl ether	3.88	45	177789	20.361 ug/l	99
23) Vinyl Acetate	3.83	43	778142	102.494 ug/l	99
24) 1,1-Dichloroethane	3.70	63	89335	19.651 ug/l	98
25) 2-Butanone	4.71	43	203876	100.199 ug/l	98
26) 2,2-Dichloropropane	4.59	77	93473	20.697 ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	60053	20.528 ug/l	99
28) Bromochloromethane	5.03	49	43152	21.508 ug/l	99
29) Tetrahydrofuran	5.17	42	129189	99.527 ug/l	99
30) Chloroform	5.23	83	101103	20.696 ug/l	99
31) Cyclohexane	5.59	56	79294	20.895 ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	96037	20.629 ug/l	100
36) 1,1-Dichloropropene	5.81	75	71754	20.224 ug/l	99
37) Ethyl Acetate	4.87	43	79323	19.694 ug/l	99
38) Carbon Tetrachloride	5.79	117	87083	20.221 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	81422	19.969	ug/l	98
40) Benzene	6.15	78	211645	20.459	ug/l	98
41) Methacrylonitrile	5.07	41	47044	19.826	ug/l	99
42) 1,2-Dichloroethane	6.21	62	84600	20.541	ug/l	100
43) Isopropyl Acetate	6.48	43	143281	20.256	ug/l	100
44) Trichloroethene	7.22	130	63199	19.861	ug/l	99
45) 1,2-Dichloropropane	7.52	63	57831	20.736	ug/l	99
46) Dibromomethane	7.67	93	38780	20.285	ug/l	100
47) Bromodichloromethane	7.91	83	82357	20.415	ug/l	99
48) Methyl methacrylate	7.79	41	73599	20.271	ug/l	99
49) 1,4-Dioxane	7.77	88	29160	396.262	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	418092	99.377	ug/l	99
52) Toluene	8.79	92	138057	19.981	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	97659	20.384	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	97377	20.193	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	57294	20.059	ug/l	99
56) Ethyl methacrylate	9.19	69	92669	19.958	ug/l	99
57) 1,3-Dichloropropane	9.38	76	94943	20.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	229250	116.592	ug/l	99
59) 2-Hexanone	9.51	43	319231	98.680	ug/l	100
60) Dibromochloromethane	9.59	129	70947	19.769	ug/l	100
61) 1,2-Dibromoethane	9.68	107	61155	20.126	ug/l	98
64) Tetrachloroethene	9.34	164	61229	19.728	ug/l	97
65) Chlorobenzene	10.15	112	164095	20.044	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	65528	20.344	ug/l	99
67) Ethyl Benzene	10.26	91	276989	20.152	ug/l	97
68) m/p-Xylenes	10.37	106	216453	40.288	ug/l	99
69) o-Xylene	10.71	106	105867	20.070	ug/l	99
70) Styrene	10.72	104	179418	19.897	ug/l	99
71) Bromoform	10.87	173	61851	19.575	ug/l #	100
73) Isopropylbenzene	11.02	105	285165	20.102	ug/l	100
74) N-amyl acetate	6.48	43	143281	20.538	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	84891	20.003	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	82964m	20.203	ug/l	
77) Bromobenzene	11.26	156	81831	20.147	ug/l	100
78) n-propylbenzene	11.37	91	325381	20.184	ug/l	99
79) 2-Chlorotoluene	11.43	91	193190	20.188	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	247343	20.264	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	30923	19.607	ug/l	95
82) 4-Chlorotoluene	11.52	91	234783	20.293	ug/l	99
83) tert-Butylbenzene	11.78	119	254606	20.218	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	256272	20.266	ug/l	99
85) sec-Butylbenzene	11.95	105	294140	19.930	ug/l	99
86) p-Isopropyltoluene	12.07	119	275213	20.008	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	150399	19.923	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	152520	19.843	ug/l	98
89) n-Butylbenzene	12.40	91	243595	19.991	ug/l	99
90) Hexachloroethane	12.60	117	50157	19.933	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	147352	19.804	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	22412	19.675	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123825	19.828	ug/l	99
94) Hexachlorobutadiene	13.79	225	59461	19.405	ug/l	99
95) Naphthalene	13.84	128	334151	19.721	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	118913	19.466	ug/l	98

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

