

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080318\
 Data File : VX003833.D
 Acq On : 02 Aug 2018 19:49
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 1:35:40 PM

Quant Time: Aug 03 01:46:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	109173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	154352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	148708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	89733	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	27284	16.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	33.60%	
35) Dibromofluoromethane	5.51	113	22897	18.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.30%	
50) Toluene-d8	8.72	98	90838	18.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.90%	
62) 4-Bromofluorobenzene	11.14	95	32033	18.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	22545	18.70	ug/l	99
3) Chloromethane	1.32	50	30860	18.58	ug/l	98
4) Vinyl Chloride	1.40	62	27693	16.98	ug/l	100
5) Bromomethane	1.64	94	16027	20.50	ug/l	99
6) Chloroethane	1.72	64	16935	17.42	ug/l	94
7) Trichlorofluoromethane	1.93	101	36897	17.73	ug/l	99
8) Diethyl Ether	2.19	74	15235	16.24	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	22125	17.46	ug/l	99
10) Methyl Iodide	2.51	142	27748	16.83	ug/l	99
11) Tert butyl alcohol	3.07	59	30988	81.48	ug/l	100
12) 1,1-Dichloroethene	2.37	96	21148	17.13	ug/l	100
13) Acrolein	2.29	56	25053	125.90	ug/l	99
14) Allyl chloride	2.73	41	38803	15.18	ug/l	99
15) Acrylonitrile	3.15	53	70489	76.52	ug/l	100
16) Acetone	2.45	43	72897	94.02	ug/l	99
17) Carbon Disulfide	2.57	76	59046	16.63	ug/l	100
18) Methyl Acetate	2.78	43	31977	14.26	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	72681	16.37	ug/l	100
20) Methylene Chloride	2.86	84	24712	16.52	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	22977	17.12	ug/l	94
22) Diisopropyl ether	3.88	45	73256	15.55	ug/l	95
23) Vinyl Acetate	3.82	43	310924	76.93	ug/l	99
24) 1,1-Dichloroethane	3.70	63	41931	15.72	ug/l	99
25) 2-Butanone	4.71	43	122463	100.07	ug/l	99
26) 2,2-Dichloropropane	4.59	77	28546	17.04	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	25930	17.49	ug/l	96
28) Bromochloromethane	5.03	49	20584	18.46	ug/l	98
29) Tetrahydrofuran	5.17	42	63647	83.80	ug/l	99
30) Chloroform	5.22	83	43664	17.70	ug/l	98
31) Cyclohexane	5.58	56	37715	18.12	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	37190	18.41	ug/l	99
36) 1,1-Dichloropropene	5.80	75	32452	18.39	ug/l	99
37) Ethyl Acetate	4.87	43	36941	17.14	ug/l	99
38) Carbon Tetrachloride	5.78	117	32587	19.16	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	36990	19.69	ug/l	96
40) Benzene	6.14	78	102476	19.29	ug/l	100
41) Methacrylonitrile	5.07	41	20205	16.94	ug/l	99
42) 1,2-Dichloroethane	6.20	62	34036	18.22	ug/l	100
43) Isopropyl Acetate	6.46	43	56106	17.87	ug/l	100
44) Trichloroethene	7.21	130	27542	19.39	ug/l	100
45) 1,2-Dichloropropane	7.52	63	26046	18.91	ug/l	100
46) Dibromomethane	7.67	93	16941	19.01	ug/l	100
47) Bromodichloromethane	7.90	83	31005	18.63	ug/l	99
48) Methyl methacrylate	7.78	41	28287	17.75	ug/l	99
49) 1,4-Dioxane	7.76	88	13004	363.21	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	241013	108.96	ug/l	100
52) Toluene	8.79	92	64338	19.48	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	33564	18.21	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	38459	19.02	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	26285	19.30	ug/l	98
56) Ethyl methacrylate	9.18	69	37150	18.42	ug/l	99
57) 1,3-Dichloropropane	9.37	76	43162	18.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	99142	97.33	ug/l	99
59) 2-Hexanone	9.50	43	185327	109.35	ug/l	99
60) Dibromochloromethane	9.59	129	25725	19.81	ug/l	99
61) 1,2-Dibromoethane	9.68	107	27209	19.14	ug/l	100
64) Tetrachloroethene	9.34	164	26368	19.70	ug/l	98
65) Chlorobenzene	10.14	112	71369	19.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	25317	19.42	ug/l	99
67) Ethyl Benzene	10.26	91	117069	18.96	ug/l	99
68) m/p-Xylenes	10.36	106	93223	39.27	ug/l	99
69) o-Xylene	10.70	106	44138	19.22	ug/l	99
70) Styrene	10.71	104	75270	19.49	ug/l	100
71) Bromoform	10.86	173	19918	19.17	ug/l #	99
73) Isopropylbenzene	11.02	105	120026	19.97	ug/l	99
74) N-amyl acetate	6.46	43	56106	17.80	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	41366	18.37	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	35443m	18.87	ug/l	
77) Bromobenzene	11.26	156	32587	19.51	ug/l	96
78) n-propylbenzene	11.36	91	135021	19.52	ug/l	100
79) 2-Chlorotoluene	11.42	91	81909	19.27	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	100764	19.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	11291	18.72	ug/l	96
82) 4-Chlorotoluene	11.51	91	95749	19.13	ug/l	99
83) tert-Butylbenzene	11.77	119	99106	19.84	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	104438	19.83	ug/l	100
85) sec-Butylbenzene	11.95	105	117756	19.99	ug/l	99
86) p-Isopropyltoluene	12.07	119	106147	19.98	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	60121	19.44	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	61779	19.20	ug/l	99
89) n-Butylbenzene	12.39	91	87765	18.48	ug/l	99
90) Hexachloroethane	12.60	117	16062	19.64	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	60943	19.23	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8633	18.32	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	42496	18.80	ug/l	99
94) Hexachlorobutadiene	13.79	225	20107	19.71	ug/l	98
95) Naphthalene	13.83	128	127827	18.70	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44395	19.30	ug/l	99

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

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