

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000317.D
 Acq On : 14 Mar 2018 16:51
 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
 3/15/2018 3:36:59 PM

Quant Time: Mar 15 03:08:58 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	127245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	213215	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	213585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	120626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	38379	28.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.68%	
35) Dibromofluoromethane	5.51	113	28306	20.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.86%	
50) Toluene-d8	8.73	98	114248	22.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.04%	
62) 4-Bromofluorobenzene	11.15	95	43907	20.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29499	27.04	ug/l	98
3) Chloromethane	1.32	50	29731	25.03	ug/l	95
4) Vinyl Chloride	1.41	62	34338	27.75	ug/l	97
5) Bromomethane	1.65	94	28302	26.95	ug/l	99
6) Chloroethane	1.73	64	21841	31.60	ug/l	98
7) Trichlorofluoromethane	1.93	101	60608	29.18	ug/l	98
8) Diethyl Ether	2.20	74	21126	29.75	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32440	27.32	ug/l	98
10) Methyl Iodide	2.52	142	31257	20.57	ug/l	99
11) Tert butyl alcohol	3.07	59	60449	123.75	ug/l	98
12) 1,1-Dichloroethene	2.38	96	29657	28.00	ug/l	97
13) Acrolein	2.30	56	25245	94.40	ug/l	97
14) Allyl chloride	2.73	41	53346	26.59	ug/l	98
15) Acrylonitrile	3.15	53	118022	141.12	ug/l	100
16) Acetone	2.45	43	131025	128.23	ug/l	96
17) Carbon Disulfide	2.57	76	85599	25.47	ug/l	98
18) Methyl Acetate	2.79	43	57106	27.93	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	107707	28.67	ug/l	99
20) Methylene Chloride	2.86	84	32535	27.04	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	32733	27.76	ug/l	88
22) Diisopropyl ether	3.89	45	78429	23.00	ug/l	95
23) Vinyl Acetate	3.84	43	382502	126.37	ug/l	99
24) 1,1-Dichloroethane	3.70	63	58570	29.78	ug/l	98
25) 2-Butanone	4.72	43	151507	111.32	ug/l	99
26) 2,2-Dichloropropane	4.60	77	39874	23.00	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	29805	24.37	ug/l	98
28) Bromochloromethane	5.03	49	24177	26.08	ug/l	# 99
29) Tetrahydrofuran	5.18	42	92050	110.25	ug/l	99
30) Chloroform	5.23	83	52372	25.36	ug/l	94
31) Cyclohexane	5.59	56	41905	23.33	ug/l	90
32) 1,1,1-Trichloroethane	5.51	97	46512	24.24	ug/l	98
36) 1,1-Dichloropropene	5.81	75	39638	20.97	ug/l	98
37) Ethyl Acetate	4.87	43	51845	19.70	ug/l	99
38) Carbon Tetrachloride	5.80	117	39541	19.17	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	46789	19.66	ug/l	96
40) Benzene	6.15	78	115715	21.59	ug/l	98
41) Methacrylonitrile	5.07	41	26954	19.48	ug/l	98
42) 1,2-Dichloroethane	6.21	62	45611	23.45	ug/l	99
43) Isopropyl Acetate	6.48	43	79334	20.29	ug/l	99
44) Trichloroethene	7.23	130	33451	19.76	ug/l	93
45) 1,2-Dichloropropane	7.52	63	30178	21.87	ug/l	95
46) Dibromomethane	7.67	93	21944	21.32	ug/l	98
47) Bromodichloromethane	7.91	83	41316	21.21	ug/l	95
48) Methyl methacrylate	7.79	41	39377	20.35	ug/l	98
49) 1,4-Dioxane	7.77	88	17424	356.77	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	297685	107.30	ug/l	98
52) Toluene	8.79	92	78641	21.91	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	47692	20.51	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	45080	19.79	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	31199	20.99	ug/l	96
56) Ethyl methacrylate	9.19	69	46216	19.46	ug/l	95
57) 1,3-Dichloropropane	9.38	76	51941	22.00	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	118887	107.46	ug/l	98
59) 2-Hexanone	9.51	43	252079	105.76	ug/l	97
60) Dibromochloromethane	9.59	129	33594	19.29	ug/l	99
61) 1,2-Dibromoethane	9.68	107	35289	21.58	ug/l	98
64) Tetrachloroethene	9.34	164	32298	17.95	ug/l	95
65) Chlorobenzene	10.15	112	89801	19.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	30443	18.43	ug/l	100
67) Ethyl Benzene	10.26	91	158113	21.19	ug/l	97
68) m/p-Xylenes	10.37	106	122074	41.38	ug/l	100
69) o-Xylene	10.71	106	57486	20.18	ug/l	98
70) Styrene	10.72	104	96255	20.13	ug/l	100
71) Bromoform	10.87	173	25552	14.68	ug/l #	95
73) Isopropylbenzene	11.02	105	160622	22.13	ug/l	97
74) N-amyl acetate	6.48	43	79334	20.70	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	55545	21.74	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	51549m	16.62	ug/l	
77) Bromobenzene	11.26	156	39487	19.12	ug/l	97
78) n-propylbenzene	11.37	91	191467	22.41	ug/l	99
79) 2-Chlorotoluene	11.43	91	107281	21.81	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	135749	21.89	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	14951	16.72	ug/l	93
82) 4-Chlorotoluene	11.52	91	130425	21.87	ug/l	99
83) tert-Butylbenzene	11.78	119	132084	20.86	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	141420	21.93	ug/l	99
85) sec-Butylbenzene	11.96	105	167243	21.84	ug/l	99
86) p-Isopropyltoluene	12.07	119	147654	20.71	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	77339	19.46	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	81976	19.77	ug/l	98
89) n-Butylbenzene	12.40	91	143722	21.79	ug/l	98
90) Hexachloroethane	12.60	117	22615	19.74	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	75670	19.66	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15285	19.41	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55092	16.59	ug/l	99
94) Hexachlorobutadiene	13.79	225	21674	12.32	ug/l	98
95) Naphthalene	13.84	128	197397	20.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	56088	17.40	ug/l	100

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

