

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000356.D
 Acq On : 20 Mar 2018 11:18
 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
 3/21/2018 11:44:06 AM

Quant Time: Mar 20 12:13:47 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	5.67	168	127545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	205040	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	198125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	108877	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	28992	16.43	ug/l	0.00
Spiked Amount			Recovery	=	32.86%	
35) Dibromofluoromethane	5.51	113	22187	17.15	ug/l	0.00
Spiked Amount			Recovery	=	34.30%	
50) Toluene-d8	8.73	98	90900	16.84	ug/l	0.00
Spiked Amount			Recovery	=	33.68%	
62) 4-Bromofluorobenzene	11.15	95	33862	15.65	ug/l	0.00
Spiked Amount			Recovery	=	31.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	26541	19.32	ug/l	100
3) Chloromethane	1.32	50	27938	19.95	ug/l	97
4) Vinyl Chloride	1.41	62	30151	19.22	ug/l	96
5) Bromomethane	1.65	94	24969	14.26	ug/l	96
6) Chloroethane	1.73	64	19184	17.21	ug/l	97
7) Trichlorofluoromethane	1.94	101	53363	19.59	ug/l	97
8) Diethyl Ether	2.19	74	18898	19.49	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30521	20.80	ug/l	99
10) Methyl Iodide	2.52	142	23574	15.90	ug/l	99
11) Tert butyl alcohol	3.06	59	51591	90.37	ug/l	99
12) 1,1-Dichloroethene	2.38	96	25873	18.58	ug/l	96
13) Acrolein	2.29	56	15940	64.90	ug/l	97
14) Allyl chloride	2.73	41	47402	19.09	ug/l	99
15) Acrylonitrile	3.15	53	107521	97.68	ug/l	100
16) Acetone	2.45	43	129659	110.05	ug/l	95
17) Carbon Disulfide	2.58	76	71758	17.64	ug/l	97
18) Methyl Acetate	2.78	43	53655	20.35	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	96404	19.67	ug/l	97
20) Methylene Chloride	2.86	84	30350	19.90	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	28502	18.52	ug/l	93
22) Diisopropyl ether	3.87	45	90074	21.80	ug/l	96
23) Vinyl Acetate	3.83	43	436653	110.87	ug/l	99
24) 1,1-Dichloroethane	3.71	63	53348	20.52	ug/l	98
25) 2-Butanone	4.71	43	144442	102.58	ug/l	99
26) 2,2-Dichloropropane	4.59	77	36718	19.57	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	26656	18.96	ug/l	98
28) Bromochloromethane	5.03	49	19894	18.21	ug/l	98
29) Tetrahydrofuran	5.17	42	86100	95.00	ug/l	99
30) Chloroform	5.22	83	48171	19.63	ug/l	91
31) Cyclohexane	5.58	56	39897	20.00	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	43009	19.83	ug/l	99
36) 1,1-Dichloropropene	5.81	75	35578	19.10	ug/l	99
37) Ethyl Acetate	4.87	43	47286	19.10	ug/l	100
38) Carbon Tetrachloride	5.79	117	36849	19.62	ug/l	96

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39) Methylcyclohexane	7.47	83	45097	20.75	ug/l	95
40) Benzene	6.15	78	107063	20.26	ug/l	99
41) Methacrylonitrile	5.07	41	25557	19.66	ug/l	98
42) 1,2-Dichloroethane	6.21	62	42358	20.22	ug/l	97
43) Isopropyl Acetate	6.48	43	74133	20.74	ug/l	99
44) Trichloroethene	7.22	130	31252	20.41	ug/l	99
45) 1,2-Dichloropropane	7.53	63	28132	21.58	ug/l	93
46) Dibromomethane	7.67	93	20748	19.81	ug/l	96
47) Bromodichloromethane	7.90	83	37979	20.43	ug/l	97
48) Methyl methacrylate	7.79	41	35315	19.54	ug/l	96
49) 1,4-Dioxane	7.76	88	13971	343.66	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	287911	103.74	ug/l	99
52) Toluene	8.79	92	73036	19.67	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	43563	20.31	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	42231	20.13	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	30422	20.42	ug/l	96
56) Ethyl methacrylate	9.19	69	45951	20.83	ug/l	99
57) 1,3-Dichloropropane	9.38	76	49998	20.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	113339	111.73	ug/l	97
59) 2-Hexanone	9.51	43	238948	102.19	ug/l	99
60) Dibromochloromethane	9.59	129	30153	19.14	ug/l	94
61) 1,2-Dibromoethane	9.68	107	33094	20.04	ug/l	99
64) Tetrachloroethene	9.34	164	31937	22.57	ug/l	95
65) Chlorobenzene	10.15	112	85738	21.25	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	29008	21.38	ug/l	97
67) Ethyl Benzene	10.26	91	147553	21.45	ug/l	99
68) m/p-Xylenes	10.37	106	113227	42.25	ug/l	100
69) o-Xylene	10.71	106	54741	21.03	ug/l	100
70) Styrene	10.72	104	88269	20.43	ug/l	99
71) Bromoform	10.87	173	24154	20.35	ug/l #	96
73) Isopropylbenzene	11.02	105	150649	22.97	ug/l	100
74) N-amyl acetate	6.48	43	74133	23.62	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	52392	22.44	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	49381m	22.53	ug/l	
77) Bromobenzene	11.26	156	36989	21.49	ug/l	97
78) n-propylbenzene	11.37	91	175367	22.18	ug/l	100
79) 2-Chlorotoluene	11.43	91	100431	22.38	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	125993	22.55	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	13888	21.59	ug/l	90
82) 4-Chlorotoluene	11.52	91	121517	22.03	ug/l	99
83) tert-Butylbenzene	11.78	119	124867	22.91	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	132486	23.07	ug/l	99
85) sec-Butylbenzene	11.96	105	158355	23.21	ug/l	99
86) p-Isopropyltoluene	12.07	119	138816	22.86	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	71822	21.26	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	72459	20.64	ug/l	96
89) n-Butylbenzene	12.40	91	129947	22.01	ug/l	98
90) Hexachloroethane	12.60	117	21756	22.34	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	72256	22.09	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13890	21.98	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50817	21.56	ug/l	99
94) Hexachlorobutadiene	13.79	225	21852	23.50	ug/l	98
95) Naphthalene	13.84	128	182941	22.37	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	51007	21.43	ug/l	99

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

