

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000355.D
 Acq On : 20 Mar 2018 10:42
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

sam
 3/21/2018 11:44:02 AM

Quant Time: Mar 20 12:14:17 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	118662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	192085	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	185304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	97957	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	8096	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
35) Dibromofluoromethane	5.51	113	6152	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
50) Toluene-d8	8.73	98	24416	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
62) 4-Bromofluorobenzene	11.15	95	8491	4.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	6862	5.37	ug/l	91
3) Chloromethane	1.32	50	7634	5.86	ug/l	92
4) Vinyl Chloride	1.41	62	7834	5.37	ug/l	90
5) Bromomethane	1.64	94	13728	8.43	ug/l	89
6) Chloroethane	1.73	64	5080	4.90	ug/l	97
7) Trichlorofluoromethane	1.93	101	13902	5.48	ug/l	95
8) Diethyl Ether	2.20	74	5071	5.62	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	7895	5.78	ug/l	92
10) Methyl Iodide	2.51	142	4503	3.27	ug/l	95
11) Tert butyl alcohol	3.07	59	13746	25.88	ug/l	96
12) 1,1-Dichloroethene	2.38	96	6622	5.11	ug/l	95
13) Acrolein	2.30	56	5464	23.91	ug/l	93
14) Allyl chloride	2.73	41	12960	5.61	ug/l	95
15) Acrylonitrile	3.15	53	26644	26.02	ug/l	99
16) Acetone	2.45	43	32742	29.87	ug/l	97
17) Carbon Disulfide	2.57	76	18527	4.90	ug/l	99
18) Methyl Acetate	2.78	43	13304	5.42	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	24613	5.40	ug/l	98
20) Methylene Chloride	2.87	84	7873	5.55	ug/l	# 93
21) trans-1,2-Dichloroethene	3.17	96	7770	5.43	ug/l	90
22) Diisopropyl ether	3.88	45	23591	6.14	ug/l	92
23) Vinyl Acetate	3.83	43	105728	28.85	ug/l	97
24) 1,1-Dichloroethane	3.70	63	13875	5.74	ug/l	98
25) 2-Butanone	4.71	43	37287	28.46	ug/l	99
26) 2,2-Dichloropropane	4.59	77	9425	5.40	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	6838	5.23	ug/l	97
28) Bromochloromethane	5.04	49	5416	5.33	ug/l	# 50
29) Tetrahydrofuran	5.18	42	21889	25.96	ug/l	98
30) Chloroform	5.23	83	11699	5.12	ug/l	94
31) Cyclohexane	5.59	56	9883	5.33	ug/l	90
32) 1,1,1-Trichloroethane	5.51	97	10306	5.11	ug/l	96
36) 1,1-Dichloropropene	5.81	75	9590	5.49	ug/l	98
37) Ethyl Acetate	4.87	43	12417	5.35	ug/l	96
38) Carbon Tetrachloride	5.79	117	8603	4.89	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	11216	5.51	ug/l	94
40) Benzene	6.15	78	26090	5.27	ug/l	97
41) Methacrylonitrile	5.07	41	6522	5.36	ug/l	98
42) 1,2-Dichloroethane	6.21	62	10096	5.14	ug/l	94
43) Isopropyl Acetate	6.48	43	17339	5.18	ug/l	99
44) Trichloroethene	7.22	130	7823	5.45	ug/l	100
45) 1,2-Dichloropropane	7.52	63	7170	5.87	ug/l	96
46) Dibromomethane	7.67	93	5440	5.55	ug/l	95
47) Bromodichloromethane	7.90	83	8652	4.97	ug/l	94
48) Methyl methacrylate	7.79	41	8580	5.07	ug/l	99
49) 1,4-Dioxane	7.77	88	3640	95.58	ug/l	94
51) 4-Methyl-2-Pentanone	8.66	43	68095	26.19	ug/l	98
52) Toluene	8.79	92	17269	4.96	ug/l	93
53) t-1,3-Dichloropropene	8.45	75	9537	4.75	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	8708	4.43	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	7356	5.27	ug/l	94
56) Ethyl methacrylate	9.19	69	9711	4.70	ug/l	93
57) 1,3-Dichloropropane	9.38	76	12340	5.46	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.32	63	26961	28.37	ug/l	98
59) 2-Hexanone	9.51	43	57614	26.30	ug/l	94
60) Dibromochloromethane	9.59	129	6707	4.54	ug/l	99
61) 1,2-Dibromoethane	9.68	107	7744	5.01	ug/l	96
64) Tetrachloroethene	9.34	164	7699	5.82	ug/l	95
65) Chlorobenzene	10.15	112	20008	5.30	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	6689	5.27	ug/l	99
67) Ethyl Benzene	10.26	91	35243	5.48	ug/l	100
68) m/p-Xylenes	10.37	106	27034	10.79	ug/l	97
69) o-Xylene	10.71	106	12846	5.28	ug/l	100
70) Styrene	10.72	104	19392	4.80	ug/l	96
71) Bromoform	10.87	173	5031	4.53	ug/l #	94
73) Isopropylbenzene	11.02	105	34027	5.77	ug/l	97
74) N-amyl acetate	6.48	43	17339	6.14	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	12078	5.75	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	11014m	5.59	ug/l	
77) Bromobenzene	11.26	156	9213	5.95	ug/l	97
78) n-propylbenzene	11.37	91	40336	5.67	ug/l	98
79) 2-Chlorotoluene	11.43	91	24058	5.96	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	27801	5.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	2856	4.93	ug/l	87
82) 4-Chlorotoluene	11.52	91	27501	5.54	ug/l	99
83) tert-Butylbenzene	11.78	119	28793	5.87	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	28413	5.50	ug/l	98
85) sec-Butylbenzene	11.96	105	34788	5.67	ug/l	98
86) p-Isopropyltoluene	12.07	119	30730	5.63	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	15837	5.21	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	17090	5.41	ug/l	90
89) n-Butylbenzene	12.40	91	27141	5.11	ug/l	98
90) Hexachloroethane	12.60	117	4348	4.96	ug/l	91
91) 1,2-Dichlorobenzene	12.40	146	16280	5.53	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3159	5.56	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	11573	5.46	ug/l	94
94) Hexachlorobutadiene	13.79	225	4884	5.84	ug/l	97
95) Naphthalene	13.84	128	38985	5.30	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	11748	5.48	ug/l	99

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

