

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX020918\
 Data File : VX000044.D
 Acq On : 09 Feb 2018 15:35
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

sam
 2/14/2018 5:29:27 PM

Quant Time: Feb 09 22:41:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 09 22:29:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	134072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	219507	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	202396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	112152	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	7563	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	
35) Dibromofluoromethane	5.52	113	6209	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	8.73	98	24329	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
62) 4-Bromofluorobenzene	11.15	95	9375	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	6351	5.21	ug/l	96
3) Chloromethane	1.33	50	6363	5.03	ug/l	97
4) Vinyl Chloride	1.41	62	7166	5.04	ug/l	96
5) Bromomethane	1.64	94	3664	3.37	ug/l	91
6) Chloroethane	1.72	64	4637	5.51	ug/l	97
7) Trichlorofluoromethane	1.93	101	12731	5.17	ug/l	100
8) Diethyl Ether	2.20	74	4886	5.70	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	7085	5.16	ug/l	99
10) Methyl Iodide	2.51	142	5633	3.52	ug/l	98
11) Tert butyl alcohol	3.09	59	13822	22.29	ug/l	95
12) 1,1-Dichloroethene	2.37	96	6881	5.18	ug/l	90
13) Acrolein	2.30	56	7423	19.61	ug/l	97
14) Allyl chloride	2.73	41	11964	5.17	ug/l	97
15) Acrylonitrile	3.16	53	25173	25.12	ug/l	99
16) Acetone	2.46	43	20330	17.47	ug/l	100
17) Carbon Disulfide	2.57	76	18749	4.99	ug/l	100
18) Methyl Acetate	2.79	43	10833	4.80	ug/l	100
19) Methyl tert-butyl Ether	3.22	73	23381	5.27	ug/l	100
20) Methylene Chloride	2.87	84	7414	5.28	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	7204	5.11	ug/l	97
22) Diisopropyl ether	3.89	45	19143	4.70	ug/l	94
23) Vinyl Acetate	3.84	43	88570	25.17	ug/l	97
24) 1,1-Dichloroethane	3.71	63	12658	5.28	ug/l	95
25) 2-Butanone	4.73	43	30659	21.34	ug/l	98
26) 2,2-Dichloropropane	4.59	77	10296	5.06	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	6931	5.04	ug/l	96
28) Bromochloromethane	5.03	49	4504	5.66	ug/l	93
29) Tetrahydrofuran	5.19	42	21089	23.66	ug/l	99
30) Chloroform	5.23	83	12071	5.24	ug/l	95
31) Cyclohexane	5.58	56	9815	5.20	ug/l	92
32) 1,1,1-Trichloroethane	5.51	97	11524	5.22	ug/l	98
36) 1,1-Dichloropropene	5.81	75	8977	4.97	ug/l	97
37) Ethyl Acetate	4.89	43	11154	4.47	ug/l	99
38) Carbon Tetrachloride	5.79	117	10162	5.34	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	11105	4.83	ug/l	96
40) Benzene	6.16	78	25917	4.89	ug/l	100
41) Methacrylonitrile	5.09	41	6289	4.83	ug/l	97
42) 1,2-Dichloroethane	6.21	62	9682	5.11	ug/l	99
43) Isopropyl Acetate	6.49	43	18179	4.95	ug/l	100
44) Trichloroethene	7.23	130	7939	4.75	ug/l	98
45) 1,2-Dichloropropane	7.52	63	6275	4.75	ug/l	99
46) Dibromomethane	7.68	93	4819	4.69	ug/l	97
47) Bromodichloromethane	7.91	83	9787	5.10	ug/l	97
48) Methyl methacrylate	7.79	41	8604	4.74	ug/l	97
49) 1,4-Dioxane	7.77	88	4513	86.60	ug/l #	95
51) 4-Methyl-2-Pentanone	8.66	43	60864	23.18	ug/l	99
52) Toluene	8.79	92	17218	4.85	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	11003	4.91	ug/l	92
54) cis-1,3-Dichloropropene	9.05	75	10262	4.70	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	7203	4.84	ug/l	94
56) Ethyl methacrylate	9.20	69	10696	4.63	ug/l	95
57) 1,3-Dichloropropane	9.38	76	11435	4.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	28492	27.71	ug/l	100
59) 2-Hexanone	9.51	43	49422	22.00	ug/l	99
60) Dibromochloromethane	9.59	129	8083	4.81	ug/l	100
61) 1,2-Dibromoethane	9.68	107	7795	4.76	ug/l	97
64) Tetrachloroethene	9.35	164	6994	4.55	ug/l	89
65) Chlorobenzene	10.15	112	20698	5.05	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	7225	4.84	ug/l	97
67) Ethyl Benzene	10.26	91	33750	4.93	ug/l	97
68) m/p-Xylenes	10.37	106	26951	9.94	ug/l	99
69) o-Xylene	10.71	106	13345	5.07	ug/l	99
70) Styrene	10.72	104	20989	4.80	ug/l	97
71) Bromoform	10.87	173	6243	4.44	ug/l #	99
73) Isopropylbenzene	11.03	105	35174	5.09	ug/l	100
74) N-amyl acetate	6.49	43	18179	5.26	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.28	83	11854	5.01	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	10659m	4.97	ug/l	
77) Bromobenzene	11.27	156	9397	5.10	ug/l	97
78) n-propylbenzene	11.37	91	40881	5.09	ug/l	99
79) 2-Chlorotoluene	11.43	91	23278	5.11	ug/l	100
80) 1,3,5-Trimethylbenzene	11.52	105	29642	5.09	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	3860	4.99	ug/l	90
82) 4-Chlorotoluene	11.52	91	27605	5.00	ug/l	98
83) tert-Butylbenzene	11.78	119	29517	5.02	ug/l	97
84) 1,2,4-Trimethylbenzene	11.82	105	29791	4.97	ug/l	99
85) sec-Butylbenzene	11.96	105	36694	5.08	ug/l	100
86) p-Isopropyltoluene	12.07	119	32696	5.02	ug/l	97
87) 1,3-Dichlorobenzene	12.04	146	17699	4.95	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	18212	5.02	ug/l	92
89) n-Butylbenzene	12.40	91	30546	5.02	ug/l	99
90) Hexachloroethane	12.60	117	5476	5.23	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	18303	5.25	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3531	5.08	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	13379	4.97	ug/l	99
94) Hexachlorobutadiene	13.79	225	6068	4.92	ug/l	97
95) Naphthalene	13.85	128	44317	4.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	13422	5.09	ug/l	99

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

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