

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
 Data File : VX001136.D
 Acq On : 26 Apr 2018 17:29
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:03:25 PM

Quant Time: Apr 27 01:31:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:18:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	302945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	181589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	16575	5.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.46%	
35) Dibromofluoromethane	5.51	113	11515	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
50) Toluene-d8	8.72	98	45829	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	
62) 4-Bromofluorobenzene	11.14	95	17016	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	11777	4.51	ug/l	96
3) Chloromethane	1.32	50	11968	4.79	ug/l	98
4) Vinyl Chloride	1.40	62	12750	4.87	ug/l	96
5) Bromomethane	1.64	94	8630	5.31	ug/l	100
6) Chloroethane	1.72	64	8156	5.15	ug/l	99
7) Trichlorofluoromethane	1.93	101	21569	5.42	ug/l	98
8) Diethyl Ether	2.20	74	7795	5.22	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	12143	5.25	ug/l	97
10) Methyl Iodide	2.51	142	6893	3.51	ug/l	99
11) Tert butyl alcohol	3.09	59	16539	34.42	ug/l	95
12) 1,1-Dichloroethene	2.37	96	10971	5.08	ug/l	95
13) Acrolein	2.30	56	7320	45.15	ug/l	99
14) Allyl chloride	2.73	41	19285	4.88	ug/l	96
15) Acrylonitrile	3.15	53	34603	28.90	ug/l	97
16) Acetone	2.45	43	36084	32.37	ug/l	99
17) Carbon Disulfide	2.57	76	26276	4.33	ug/l	100
18) Methyl Acetate	2.79	43	16766	5.19	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	39923	5.38	ug/l	99
20) Methylene Chloride	2.86	84	12924	5.18	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	12203	5.05	ug/l	98
22) Diisopropyl ether	3.88	45	38999	5.10	ug/l	97
23) Vinyl Acetate	3.83	43	159936	24.93	ug/l	100
24) 1,1-Dichloroethane	3.70	63	20770	4.89	ug/l	98
25) 2-Butanone	4.72	43	50411	29.12	ug/l	100
26) 2,2-Dichloropropane	4.59	77	15924	4.43	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	13315	4.96	ug/l	99
28) Bromochloromethane	5.03	49	9155	5.41	ug/l	100
29) Tetrahydrofuran	5.18	42	32087	29.29	ug/l	99
30) Chloroform	5.22	83	21594	4.88	ug/l	96
31) Cyclohexane	5.58	56	17851	4.57	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	18271	4.64	ug/l	98
36) 1,1-Dichloropropene	5.81	75	16123	4.59	ug/l	97
37) Ethyl Acetate	4.87	43	19253	5.70	ug/l	99
38) Carbon Tetrachloride	5.79	117	15925	4.47	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	18329	4.52	ug/l	92
40) Benzene	6.15	78	47027	4.77	ug/l	98
41) Methacrylonitrile	5.07	41	11410	5.47	ug/l	98
42) 1,2-Dichloroethane	6.21	62	19273	5.04	ug/l	100
43) Isopropyl Acetate	6.48	43	28510	4.97	ug/l	99
44) Trichloroethene	7.22	130	14297	4.77	ug/l	93
45) 1,2-Dichloropropane	7.53	63	11976	4.81	ug/l	93
46) Dibromomethane	7.67	93	8459	4.84	ug/l	98
47) Bromodichloromethane	7.90	83	14064	4.37	ug/l #	94
48) Methyl methacrylate	7.79	41	15229	4.96	ug/l	99
49) 1,4-Dioxane	7.77	88	6363	129.98	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	95503	27.01	ug/l	100
52) Toluene	8.79	92	31064	4.83	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	16349	4.26	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	13454	3.72	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	12396	4.80	ug/l	98
56) Ethyl methacrylate	9.19	69	17727	4.65	ug/l	97
57) 1,3-Dichloropropane	9.38	76	20951	4.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	46484	25.21	ug/l	98
59) 2-Hexanone	9.51	43	73842	27.16	ug/l	99
60) Dibromochloromethane	9.59	129	10373	3.84	ug/l	97
61) 1,2-Dibromoethane	9.68	107	12914	4.72	ug/l	99
64) Tetrachloroethene	9.34	164	15986	5.36	ug/l	95
65) Chlorobenzene	10.15	112	36155	4.83	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	11412	4.43	ug/l	99
67) Ethyl Benzene	10.26	91	58610	4.73	ug/l	98
68) m/p-Xylenes	10.37	106	46007	9.43	ug/l	99
69) o-Xylene	10.70	106	22143	4.69	ug/l	96
70) Styrene	10.72	104	35407	4.56	ug/l	98
71) Bromoform	10.87	173	8346	3.92	ug/l #	100
73) Isopropylbenzene	11.02	105	59579	5.04	ug/l	100
74) N-amyl acetate	6.48	43	28510	5.47	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	18484	5.39	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	17763m	5.48	ug/l	
77) Bromobenzene	11.26	156	17363	5.05	ug/l	98
78) n-propylbenzene	11.37	91	65822	4.86	ug/l	100
79) 2-Chlorotoluene	11.43	91	40984	5.10	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	49234	4.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	3328	3.69	ug/l #	82
82) 4-Chlorotoluene	11.52	91	47933	4.94	ug/l	99
83) tert-Butylbenzene	11.77	119	47879	4.74	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	50664	4.90	ug/l	99
85) sec-Butylbenzene	11.95	105	57916	4.82	ug/l	100
86) p-Isopropyltoluene	12.07	119	53312	4.79	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	30728	4.79	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	32013	4.85	ug/l	96
89) n-Butylbenzene	12.39	91	44382	4.50	ug/l	99
90) Hexachloroethane	12.60	117	6571	4.18	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	31643	5.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3829	5.22	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	24098	4.65	ug/l	98
94) Hexachlorobutadiene	13.79	225	11426	4.83	ug/l	98
95) Naphthalene	13.84	128	66501	5.11	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	24452	4.85	ug/l	99

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

