

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
 Data File : VX000994.D
 Acq On : 19 Apr 2018 17:38
 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

MMDadoda
 4/20/2018 2:09:29 PM

Quant Time: Apr 20 04:45:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 04:18:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319142	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	16050	5.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.64%	
35) Dibromofluoromethane	5.51	113	12214	5.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.92%	
50) Toluene-d8	8.72	98	47044	5.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.72%	
62) 4-Bromofluorobenzene	11.14	95	19679	5.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	11645	5.11	ug/l	99
3) Chloromethane	1.32	50	13034	5.56	ug/l	97
4) Vinyl Chloride	1.41	62	13405	5.87	ug/l	100
5) Bromomethane	1.64	94	9493	6.32	ug/l	97
6) Chloroethane	1.73	64	8388	5.23	ug/l	99
7) Trichlorofluoromethane	1.93	101	21304	6.17	ug/l	100
8) Diethyl Ether	2.19	74	8131	6.15	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	12737	6.17	ug/l	100
10) Methyl Iodide	2.52	142	5618	3.01	ug/l	98
11) Tert butyl alcohol	3.07	59	12613	32.13	ug/l	97
12) 1,1-Dichloroethene	2.38	96	11162	5.67	ug/l	94
13) Acrolein	2.30	56	4739	59.32	ug/l	100
14) Allyl chloride	2.73	41	20223	5.51	ug/l	98
15) Acrylonitrile	3.15	53	30875	29.75	ug/l	99
16) Acetone	2.45	43	29125	29.67	ug/l	100
17) Carbon Disulfide	2.57	76	30758	5.02	ug/l	99
18) Methyl Acetate	2.78	43	14740	5.80	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	39386	6.14	ug/l	99
20) Methylene Chloride	2.86	84	13683	5.94	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	12922	5.80	ug/l	96
22) Diisopropyl ether	3.88	45	39278	5.60	ug/l	93
23) Vinyl Acetate	3.83	43	168278	29.38	ug/l	98
24) 1,1-Dichloroethane	3.70	63	22654	5.99	ug/l	98
25) 2-Butanone	4.71	43	45115	29.86	ug/l	100
26) 1,2-Dichloropropane	4.59	77	18878	5.69	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	14297	5.93	ug/l	98
28) Bromochloromethane	5.03	49	8816	5.56	ug/l	99
29) Tetrahydrofuran	5.18	42	27842	28.91	ug/l	99
30) Chloroform	5.22	83	23633	6.06	ug/l	95
31) Cyclohexane	5.58	56	20804	6.07	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	20560	5.92	ug/l	99
36) 1,1-Dichloropropene	5.81	75	18683	6.14	ug/l	99
37) Ethyl Acetate	4.87	43	17812	6.28	ug/l	100
38) Carbon Tetrachloride	5.79	117	17787	5.62	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	21567	5.93	ug/l	92
40) Benzene	6.15	78	52222	6.15	ug/l	98
41) Methacrylonitrile	5.06	41	10649	6.00	ug/l	98
42) 1,2-Dichloroethane	6.21	62	20503	6.22	ug/l	99
43) Isopropyl Acetate	6.47	43	28864	6.02	ug/l	99
44) Trichloroethene	7.22	130	16047	6.00	ug/l	95
45) 1,2-Dichloropropane	7.52	63	12079	5.48	ug/l	95
46) Dibromomethane	7.67	93	9044	5.95	ug/l	98
47) Bromodichloromethane	7.91	83	15750	5.59	ug/l	96
48) Methyl methacrylate	7.78	41	15695	5.83	ug/l	98
49) 1,4-Dioxane	7.76	88	4561	124.46	ug/l #	88
51) 4-Methyl-2-Pentanone	8.66	43	88971	30.62	ug/l	100
52) Toluene	8.79	92	34164	6.13	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	18599	5.50	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	16601	5.15	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	13091	6.04	ug/l	98
56) Ethyl methacrylate	9.19	69	18646	5.68	ug/l	97
57) 1,3-Dichloropropane	9.38	76	22233	6.21	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	46207	30.88	ug/l	100
59) 2-Hexanone	9.51	43	67986	30.51	ug/l	97
60) Dibromochloromethane	9.59	129	12636	5.29	ug/l	98
61) 1,2-Dibromoethane	9.68	107	13595	5.81	ug/l	98
64) Tetrachloroethene	9.34	164	16335	6.07	ug/l	97
65) Chlorobenzene	10.15	112	40017	6.01	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	12539	5.42	ug/l	98
67) Ethyl Benzene	10.26	91	66466	6.09	ug/l	99
68) m/p-Xylenes	10.37	106	52692	12.18	ug/l	99
69) o-Xylene	10.70	106	24721	5.87	ug/l	97
70) Styrene	10.72	104	40685	5.84	ug/l	99
71) Bromoform	10.86	173	8887	4.47	ug/l #	97
73) Isopropylbenzene	11.02	105	68412	6.00	ug/l	99
74) N-amyl acetate	6.47	43	28864	6.06	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	18695	5.81	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	18022m	5.09	ug/l	
77) Bromobenzene	11.26	156	19335	5.80	ug/l	97
78) n-propylbenzene	11.37	91	78791	5.98	ug/l	100
79) 2-Chlorotoluene	11.43	91	46602	5.97	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	57904	5.98	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	3844	4.27	ug/l #	80
82) 4-Chlorotoluene	11.52	91	55686	5.93	ug/l	99
83) tert-Butylbenzene	11.77	119	56711	5.70	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	59280	6.01	ug/l	97
85) sec-Butylbenzene	11.95	105	69386	5.81	ug/l	100
86) p-Isopropyltoluene	12.07	119	63344	5.75	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	37851	6.05	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	37709	5.92	ug/l	94
89) n-Butylbenzene	12.39	91	56974	5.73	ug/l	98
90) Hexachloroethane	12.60	117	7678	4.82	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	35885	5.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3751	5.58	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	30014	5.62	ug/l	97
94) Hexachlorobutadiene	13.79	225	13511	5.69	ug/l	97
95) Naphthalene	13.84	128	72099	5.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	28961	5.81	ug/l	99

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

