

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041318\
 Data File : VX000843.D
 Acq On : 13 Apr 2018 12:14
 Operator : JC/MD
 Sample : VX0413WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 12:59:55 PM

Quant Time: Apr 14 05:24:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	268787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	356415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	337996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	231791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160600	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
35) Dibromofluoromethane	5.51	113	134122	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	8.72	98	499363	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.15	95	204862	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67165	22.14	ug/l	100
3) Chloromethane	1.32	50	56872	21.86	ug/l	99
4) Vinyl Chloride	1.40	62	64002	21.87	ug/l	99
5) Bromomethane	1.64	94	33811	27.29	ug/l	100
6) Chloroethane	1.73	64	42598	24.02	ug/l	98
7) Trichlorofluoromethane	1.93	101	99249	22.48	ug/l	98
8) Diethyl Ether	2.19	74	37670	22.84	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	60615	23.29	ug/l	97
10) Methyl Iodide	2.51	142	26641	19.22	ug/l	98
11) Tert butyl alcohol	3.07	59	62005	103.05	ug/l	98
12) 1,1-Dichloroethene	2.38	96	53719	21.78	ug/l	97
13) Acrolein	2.29	56	23188	79.35	ug/l	97
14) Allyl chloride	2.73	41	99640	21.84	ug/l	99
15) Acrylonitrile	3.15	53	149892	116.84	ug/l	100
16) Acetone	2.45	43	131690	112.68	ug/l	100
17) Carbon Disulfide	2.57	76	146922	19.67	ug/l	99
18) Methyl Acetate	2.78	43	73973	24.46	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	186782	22.73	ug/l	100
20) Methylene Chloride	2.86	84	59974	22.06	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	59168	21.75	ug/l	98
22) Diisopropyl ether	3.87	45	186582	22.26	ug/l	94
23) Vinyl Acetate	3.83	43	818889	111.26	ug/l	99
24) 1,1-Dichloroethane	3.70	63	104825	22.28	ug/l	99
25) 2-Butanone	4.71	43	221797	114.92	ug/l	99
26) 2,2-Dichloropropane	4.59	77	100227	21.47	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	68393	22.15	ug/l	99
28) Bromochloromethane	5.03	49	36239	19.13	ug/l	98
29) Tetrahydrofuran	5.18	42	138987	113.42	ug/l	99
30) Chloroform	5.22	83	112941	22.68	ug/l	94
31) Cyclohexane	5.59	56	97560	21.84	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	104244	21.97	ug/l	100
36) 1,1-Dichloropropene	5.81	75	85927	21.89	ug/l	99
37) Ethyl Acetate	4.87	43	87479	22.83	ug/l	99
38) Carbon Tetrachloride	5.79	117	92662	21.09	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	105115	22.30	ug/l	99
40) Benzene	6.15	78	246465	22.60	ug/l	100
41) Methacrylonitrile	5.07	41	50552	22.83	ug/l	99
42) 1,2-Dichloroethane	6.20	62	92516	22.71	ug/l	99
43) Isopropyl Acetate	6.47	43	147178	22.40	ug/l	100
44) Trichloroethene	7.22	130	76316	22.50	ug/l	98
45) 1,2-Dichloropropane	7.52	63	63296	22.79	ug/l	98
46) Dibromomethane	7.67	93	42680	22.04	ug/l	99
47) Bromodichloromethane	7.90	83	84584	21.64	ug/l	99
48) Methyl methacrylate	7.78	41	76062	22.34	ug/l	99
49) 1,4-Dioxane	7.76	88	26035	380.43	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	452185	117.17	ug/l	99
52) Toluene	8.79	92	163347	22.57	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	103728	22.13	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	98094	21.49	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	65494	22.80	ug/l	99
56) Ethyl methacrylate	9.19	69	99076	22.36	ug/l	99
57) 1,3-Dichloropropane	9.38	76	106102	23.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	217293	104.96	ug/l	100
59) 2-Hexanone	9.51	43	344358	115.59	ug/l	100
60) Dibromochloromethane	9.59	129	73102	21.27	ug/l	100
61) 1,2-Dibromoethane	9.68	107	69476	22.80	ug/l	100
64) Tetrachloroethene	9.34	164	76989	23.30	ug/l	99
65) Chlorobenzene	10.15	112	193178	22.72	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	70869	22.15	ug/l	98
67) Ethyl Benzene	10.26	91	320456	22.61	ug/l	99
68) m/p-Xylenes	10.37	106	252561	45.14	ug/l	99
69) o-Xylene	10.71	106	122983	22.81	ug/l	99
70) Styrene	10.72	104	204641	22.51	ug/l	100
71) Bromoform	10.87	173	60217	20.32	ug/l #	99
73) Isopropylbenzene	11.02	105	335205	22.80	ug/l	100
74) N-amyl acetate	6.47	43	147178	22.23	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	95533	22.39	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	90360m	22.60	ug/l	
77) Bromobenzene	11.26	156	95932	22.26	ug/l	99
78) n-propylbenzene	11.37	91	384179	22.84	ug/l	99
79) 2-Chlorotoluene	11.43	91	223160	22.45	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	285422	22.57	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	28485	19.60	ug/l	95
82) 4-Chlorotoluene	11.52	91	267803	22.32	ug/l	100
83) tert-Butylbenzene	11.77	119	293691	22.70	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	294028	22.52	ug/l	100
85) sec-Butylbenzene	11.95	105	350726	22.98	ug/l	99
86) p-Isopropyltoluene	12.07	119	323306	22.72	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	179000	22.44	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	183810	22.49	ug/l	99
89) n-Butylbenzene	12.40	91	289248	23.02	ug/l	100
90) Hexachloroethane	12.60	117	49647	20.61	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	172092	22.35	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21542	20.15	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	148508	22.60	ug/l	99
94) Hexachlorobutadiene	13.79	225	75953	23.51	ug/l	100
95) Naphthalene	13.84	128	382209	22.66	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	142862	22.39	ug/l	100

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

