

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050418\
 Data File : VX001404.D
 Acq On : 04 May 2018 18:32
 Operator : JC/MD
 Sample : VX0504WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2018 7:28:03 PM

Quant Time: May 05 06:39:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	295747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	390603	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	362068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	227499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	186604	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
35) Dibromofluoromethane	5.51	113	160001	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	8.72	98	589800	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.15	95	207896	43.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	32701	9.995	ug/l	99
3) Chloromethane	1.32	50	31961	9.951	ug/l	100
4) Vinyl Chloride	1.40	62	34789	10.290	ug/l	99
5) Bromomethane	1.64	94	28589	10.065	ug/l	99
6) Chloroethane	1.72	64	24519	11.472	ug/l	99
7) Trichlorofluoromethane	1.93	101	62140	10.890	ug/l	99
8) Diethyl Ether	2.19	74	22761	11.617	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34893	10.605	ug/l	98
10) Methyl Iodide	2.51	142	47279	16.373	ug/l	100
11) Tert butyl alcohol	3.09	59	52489	74.522	ug/l	98
12) 1,1-Dichloroethene	2.37	96	31272	10.541	ug/l	97
13) Acrolein	2.29	56	12776	31.503	ug/l	95
14) Allyl chloride	2.73	41	58920	11.352	ug/l	100
15) Acrylonitrile	3.15	53	108921	66.722	ug/l	99
16) Acetone	2.45	43	106984	61.221	ug/l	100
17) Carbon Disulfide	2.57	76	65069	8.419	ug/l	99
18) Methyl Acetate	2.78	43	62392	15.117	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	118449	11.722	ug/l	99
20) Methylene Chloride	2.86	84	37573	10.663	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	33354	10.329	ug/l	100
22) Diisopropyl ether	3.89	45	117740	11.778	ug/l	98
23) Vinyl Acetate	3.83	43	515362	60.839	ug/l	99
24) 1,1-Dichloroethane	3.70	63	66769	11.991	ug/l	99
25) 2-Butanone	4.73	43	147388	62.378	ug/l	99
26) 2,2-Dichloropropane	4.59	77	42204	9.314	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	36479	10.279	ug/l	95
28) Bromochloromethane	5.03	49	30937	12.359	ug/l	99
29) Tetrahydrofuran	5.18	42	91998	63.308	ug/l	98
30) Chloroform	5.22	83	63447	10.780	ug/l	98
31) Cyclohexane	5.58	56	44913	8.931	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	52571	10.219	ug/l	99
36) 1,1-Dichloropropene	5.81	75	42504	9.428	ug/l	99
37) Ethyl Acetate	4.89	43	53066	11.658	ug/l	98
38) Carbon Tetrachloride	5.79	117	47586	10.075	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	47492	8.907	ug/l	98
40) Benzene	6.15	78	133325	10.281	ug/l	99
41) Methacrylonitrile	5.08	41	29564	11.151	ug/l	97
42) 1,2-Dichloroethane	6.21	62	51311	10.219	ug/l	99
43) Isopropyl Acetate	6.48	43	81624	11.075	ug/l	99
44) Trichloroethene	7.22	130	42205	10.632	ug/l	96
45) 1,2-Dichloropropane	7.52	63	35806	10.751	ug/l	100
46) Dibromomethane	7.67	93	24668	10.567	ug/l	98
47) Bromodichloromethane	7.91	83	43041	10.312	ug/l	98
48) Methyl methacrylate	7.79	41	43457	11.093	ug/l	99
49) 1,4-Dioxane	7.77	88	19985	270.318	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	296619	62.430	ug/l	99
52) Toluene	8.79	92	88019	10.383	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	47873	9.644	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	44056	9.647	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	37897	11.067	ug/l	97
56) Ethyl methacrylate	9.19	69	52695	11.106	ug/l	96
57) 1,3-Dichloropropane	9.38	76	59438	10.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	131068	57.256	ug/l	99
59) 2-Hexanone	9.51	43	229655	61.844	ug/l	99
60) Dibromochloromethane	9.59	129	37240	10.425	ug/l	97
61) 1,2-Dibromoethane	9.68	107	39631	10.920	ug/l	100
64) Tetrachloroethene	9.34	164	52735	12.294	ug/l	97
65) Chlorobenzene	10.15	112	103598	10.521	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	37678	11.023	ug/l	97
67) Ethyl Benzene	10.26	91	164986	10.168	ug/l	99
68) m/p-Xylenes	10.37	106	129450	20.274	ug/l	98
69) o-Xylene	10.71	106	64568	10.427	ug/l	98
70) Styrene	10.72	104	104436	10.312	ug/l	99
71) Bromoform	10.87	173	29609	12.188	ug/l #	99
73) Isopropylbenzene	11.02	105	171191	11.248	ug/l	100
74) N-amyl acetate	6.48	43	81624	12.502	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	54324	11.914	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	53183m	12.642	ug/l	
77) Bromobenzene	11.26	156	51718	11.782	ug/l	97
78) n-propylbenzene	11.37	91	188871	11.167	ug/l	100
79) 2-Chlorotoluene	11.43	91	116373	11.403	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	144674	11.319	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	12074	12.823	ug/l	92
82) 4-Chlorotoluene	11.52	91	136140	11.090	ug/l	100
83) tert-Butylbenzene	11.78	119	143369	11.249	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	151026	11.531	ug/l	99
85) sec-Butylbenzene	11.95	105	173588	11.384	ug/l	100
86) p-Isopropyltoluene	12.07	119	159629	11.412	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	89868	10.964	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	91146	10.787	ug/l	98
89) n-Butylbenzene	12.40	91	127060	10.407	ug/l	100
90) Hexachloroethane	12.60	117	22023	10.872	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	94184	11.547	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12111	13.142	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	67867	10.342	ug/l	99
94) Hexachlorobutadiene	13.79	225	37151	10.821	ug/l	99
95) Naphthalene	13.84	128	202024	12.135	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	72221	11.211	ug/l	99

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

