

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000933.D
 Acq On : 16 Apr 2018 21:22
 Operator : JC/MD
 Sample : VX0416WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:08 PM

Quant Time: Apr 17 06:59:04 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	233273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	320999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	207415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	142279	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	5.51	113	116992	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
50) Toluene-d8	8.72	98	434503	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	11.15	95	175781	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52576	19.97	ug/l	99
3) Chloromethane	1.32	50	49290	21.83	ug/l	99
4) Vinyl Chloride	1.40	62	54305	21.38	ug/l	97
5) Bromomethane	1.65	94	34874	32.70	ug/l	99
6) Chloroethane	1.73	64	32988	21.43	ug/l	97
7) Trichlorofluoromethane	1.93	101	83374	21.76	ug/l	97
8) Diethyl Ether	2.19	74	31782	22.21	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48515	21.47	ug/l	99
10) Methyl Iodide	2.51	142	19554	17.52	ug/l	98
11) Tert butyl alcohol	3.07	59	49278	94.36	ug/l	99
12) 1,1-Dichloroethene	2.38	96	45856	21.42	ug/l	94
13) Acrolein	2.30	56	21690	85.53	ug/l	99
14) Allyl chloride	2.73	41	81804	20.66	ug/l	100
15) Acrylonitrile	3.15	53	126043	113.21	ug/l	99
16) Acetone	2.45	43	106431	104.93	ug/l	98
17) Carbon Disulfide	2.57	76	106028	16.35	ug/l	99
18) Methyl Acetate	2.78	43	65234	24.85	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	161055	22.58	ug/l	98
20) Methylene Chloride	2.86	84	51110	21.66	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	49244	20.86	ug/l	97
22) Diisopropyl ether	3.88	45	168952	23.22	ug/l	99
23) Vinyl Acetate	3.83	43	696351	109.01	ug/l	98
24) 1,1-Dichloroethane	3.70	63	92514	22.66	ug/l	99
25) 2-Butanone	4.71	43	177856	106.18	ug/l	98
26) 2,2-Dichloropropane	4.59	77	72264	17.83	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	58084	21.68	ug/l	99
28) Bromochloromethane	5.03	49	31593	19.22	ug/l	96
29) Tetrahydrofuran	5.18	42	114106	107.29	ug/l	99
30) Chloroform	5.23	83	97593	22.58	ug/l	100
31) Cyclohexane	5.59	56	79576	20.52	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	85932	20.87	ug/l	99
36) 1,1-Dichloropropene	5.81	75	70872	20.05	ug/l	99
37) Ethyl Acetate	4.87	43	70777	20.51	ug/l	99
38) Carbon Tetrachloride	5.79	117	73859	18.67	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	79771	18.79	ug/l	98
40) Benzene	6.15	78	209964	21.38	ug/l	100
41) Methacrylonitrile	5.07	41	42328	21.23	ug/l	99
42) 1,2-Dichloroethane	6.21	62	81334	22.17	ug/l	99
43) Isopropyl Acetate	6.48	43	120441	20.36	ug/l	100
44) Trichloroethene	7.22	130	62776	20.55	ug/l	99
45) 1,2-Dichloropropane	7.52	63	52554	21.01	ug/l	96
46) Dibromomethane	7.67	93	36759	21.08	ug/l	99
47) Bromodichloromethane	7.91	83	69159	19.65	ug/l	99
48) Methyl methacrylate	7.79	41	62799	20.48	ug/l	99
49) 1,4-Dioxane	7.76	88	21462	348.21	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	373126	107.35	ug/l	99
52) Toluene	8.79	92	137408	21.09	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	81756	19.37	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	76045	18.50	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	55486	21.45	ug/l	99
56) Ethyl methacrylate	9.19	69	82341	20.63	ug/l	100
57) 1,3-Dichloropropane	9.38	76	91957	22.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	197425	105.88	ug/l	98
59) 2-Hexanone	9.51	43	275127	102.54	ug/l	99
60) Dibromochloromethane	9.59	129	58053	18.75	ug/l	99
61) 1,2-Dibromoethane	9.68	107	58317	21.25	ug/l	99
64) Tetrachloroethene	9.34	164	65440	21.99	ug/l	98
65) Chlorobenzene	10.15	112	164484	21.49	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	57342	19.90	ug/l	100
67) Ethyl Benzene	10.26	91	267644	20.97	ug/l	99
68) m/p-Xylenes	10.37	106	211941	42.07	ug/l	99
69) o-Xylene	10.71	106	103483	21.31	ug/l	99
70) Styrene	10.72	104	173304	21.17	ug/l	100
71) Bromoform	10.87	173	45137	16.92	ug/l	100
73) Isopropylbenzene	11.02	105	279218	21.22	ug/l	100
74) N-amyl acetate	6.48	43	120441	20.33	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81462	21.33	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	73564m	20.57	ug/l	
77) Bromobenzene	11.26	156	82078	21.28	ug/l	100
78) n-propylbenzene	11.37	91	316799	21.05	ug/l	99
79) 2-Chlorotoluene	11.43	91	188367	21.18	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	236179	20.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	19530	15.02	ug/l	86
82) 4-Chlorotoluene	11.52	91	226986	21.14	ug/l	100
83) tert-Butylbenzene	11.77	119	239764	20.71	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	243151	20.81	ug/l	99
85) sec-Butylbenzene	11.95	105	281358	20.60	ug/l	99
86) p-Isopropyltoluene	12.07	119	259378	20.37	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	151178	21.18	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	153170	20.94	ug/l	99
89) n-Butylbenzene	12.40	91	219870	19.56	ug/l	99
90) Hexachloroethane	12.60	117	35526	16.48	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	147032	21.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16536	17.28	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	116943	19.89	ug/l	98
94) Hexachlorobutadiene	13.79	225	48059	16.62	ug/l	99
95) Naphthalene	13.84	128	311047	20.61	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117364	20.55	ug/l	98

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

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