

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041318\
 Data File : VX000852.D
 Acq On : 13 Apr 2018 16:25
 Operator : JC/MD
 Sample : VX0413WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Apr 14 05:26:12 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	252022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	218165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	153282	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	5.51	113	129609	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	8.73	98	474032	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.15	95	189708	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	53397	18.77	ug/l	97
3) Chloromethane	1.32	50	45742	18.75	ug/l	99
4) Vinyl Chloride	1.40	62	54428	19.84	ug/l	96
5) Bromomethane	1.64	94	28002	23.94	ug/l	99
6) Chloroethane	1.73	64	35352	21.26	ug/l	99
7) Trichlorofluoromethane	1.93	101	79141	19.12	ug/l	100
8) Diethyl Ether	2.19	74	31469	20.35	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47269	19.37	ug/l	100
10) Methyl Iodide	2.51	142	21657	17.75	ug/l	99
11) Tert butyl alcohol	3.09	59	63786	113.06	ug/l	98
12) 1,1-Dichloroethene	2.37	96	44877	19.40	ug/l	98
13) Acrolein	2.30	56	15400	56.21	ug/l	97
14) Allyl chloride	2.73	41	84334	19.72	ug/l	98
15) Acrylonitrile	3.16	53	137758	114.53	ug/l	99
16) Acetone	2.45	43	124432	113.55	ug/l	100
17) Carbon Disulfide	2.57	76	117875	16.83	ug/l	99
18) Methyl Acetate	2.79	43	68332	24.10	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	158467	20.57	ug/l	99
20) Methylene Chloride	2.86	84	50417	19.78	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	48326	18.95	ug/l	99
22) Diisopropyl ether	3.89	45	164975	20.99	ug/l	97
23) Vinyl Acetate	3.84	43	733650	106.31	ug/l	98
24) 1,1-Dichloroethane	3.70	63	87935	19.94	ug/l	99
25) 2-Butanone	4.73	43	210777	116.48	ug/l	100
26) 2,2-Dichloropropane	4.59	77	83064	18.97	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	59220	20.46	ug/l	98
28) Bromochloromethane	5.03	49	34717	19.55	ug/l	99
29) Tetrahydrofuran	5.18	42	132774	115.55	ug/l	99
30) Chloroform	5.23	83	96324	20.63	ug/l	98
31) Cyclohexane	5.58	56	79940	19.08	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	87133	19.59	ug/l	100
36) 1,1-Dichloropropene	5.81	75	70991	18.86	ug/l	99
37) Ethyl Acetate	4.88	43	79715	21.69	ug/l	100
38) Carbon Tetrachloride	5.79	117	78686	18.68	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	83768	18.53	ug/l	96
40) Benzene	6.15	78	207724	19.86	ug/l	100
41) Methacrylonitrile	5.07	41	45525	21.44	ug/l	99
42) 1,2-Dichloroethane	6.21	62	78889	20.20	ug/l	100
43) Isopropyl Acetate	6.48	43	129577	20.57	ug/l	100
44) Trichloroethene	7.22	130	63628	19.56	ug/l	98
45) 1,2-Dichloropropane	7.52	63	53372	20.04	ug/l	99
46) Dibromomethane	7.67	93	36775	19.81	ug/l	99
47) Bromodichloromethane	7.91	83	70504	18.81	ug/l	98
48) Methyl methacrylate	7.79	41	67704	20.73	ug/l	98
49) 1,4-Dioxane	7.77	88	27814	423.83	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	415889	112.38	ug/l	99
52) Toluene	8.79	92	138456	19.95	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	86083	19.15	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	81846	18.70	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	55594	20.18	ug/l	99
56) Ethyl methacrylate	9.19	69	87228	20.53	ug/l	98
57) 1,3-Dichloropropane	9.38	76	91022	20.78	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	209954	105.75	ug/l	100
59) 2-Hexanone	9.51	43	326457	114.27	ug/l	99
60) Dibromochloromethane	9.59	129	61280	18.59	ug/l	99
61) 1,2-Dibromoethane	9.68	107	59799	20.46	ug/l	99
64) Tetrachloroethene	9.34	164	63974	20.51	ug/l	96
65) Chlorobenzene	10.15	112	162677	20.28	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	58822	19.48	ug/l	100
67) Ethyl Benzene	10.26	91	268244	20.05	ug/l	99
68) m/p-Xylenes	10.37	106	209691	39.72	ug/l	99
69) o-Xylene	10.71	106	102755	20.19	ug/l	100
70) Styrene	10.72	104	171438	19.98	ug/l	99
71) Bromoform	10.87	173	50032	17.89	ug/l #	99
73) Isopropylbenzene	11.02	105	277483	20.05	ug/l	100
74) N-amyl acetate	6.48	43	129577	20.79	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	83991	20.91	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	78769m	20.94	ug/l	
77) Bromobenzene	11.26	156	80068	19.74	ug/l	100
78) n-propylbenzene	11.37	91	313706	19.82	ug/l	99
79) 2-Chlorotoluene	11.43	91	185613	19.84	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	237705	19.97	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	23889	17.47	ug/l	92
82) 4-Chlorotoluene	11.52	91	224013	19.84	ug/l	99
83) tert-Butylbenzene	11.77	119	242662	19.93	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	244982	19.94	ug/l	99
85) sec-Butylbenzene	11.95	105	287199	19.99	ug/l	100
86) p-Isopropyltoluene	12.07	119	264944	19.78	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	148522	19.78	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	151311	19.67	ug/l	99
89) n-Butylbenzene	12.40	91	231258	19.56	ug/l	99
90) Hexachloroethane	12.60	117	39813	17.56	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	145568	20.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20115	19.99	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	119920	19.39	ug/l	98
94) Hexachlorobutadiene	13.79	225	60808	20.00	ug/l	100
95) Naphthalene	13.84	128	334203	21.05	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	119208	19.85	ug/l	100

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

