

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032718\
 Data File : VX000460.D
 Acq On : 27 Mar 2018 16:06
 Operator : JC/MD
 Sample : VX0327WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD01

Manual Integrations
 APPROVED

MM Dadoda
 3/28/2018 11:41:56 AM

Quant Time: Mar 28 07:25:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	159308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	254116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	245984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	136886	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	97651	46.96	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	5.50	113	75873	47.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	8.72	98	295347	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
62) 4-Bromofluorobenzene	11.15	95	110488	40.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	33107	18.86	ug/l	100
3) Chloromethane	1.32	50	31295	16.92	ug/l	94
4) Vinyl Chloride	1.40	62	36956	18.91	ug/l	97
5) Bromomethane	1.64	94	25799	11.06	ug/l	98
6) Chloroethane	1.73	64	23904	21.44	ug/l	99
7) Trichlorofluoromethane	1.93	101	62477	17.71	ug/l	99
8) Diethyl Ether	2.19	74	21763	17.26	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	28697	14.59	ug/l	95
10) Methyl Iodide	2.51	142	20144	13.73	ug/l	96
11) Tert butyl alcohol	3.04	59	48676	68.05	ug/l	100
12) 1,1-Dichloroethene	2.38	96	25948	15.03	ug/l	94
13) Acrolein	2.29	56	14935	76.16	ug/l	100
14) Allyl chloride	2.73	41	45753	14.93	ug/l	95
15) Acrylonitrile	3.14	53	111214	76.76	ug/l	99
16) Acetone	2.44	43	132102	76.36	ug/l	97
17) Carbon Disulfide	2.57	76	70998	15.47	ug/l	97
18) Methyl Acetate	2.78	43	52593	14.50	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	95136	14.90	ug/l	98
20) Methylene Chloride	2.86	84	30614	15.32	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	30435	15.80	ug/l	93
22) Diisopropyl ether	3.87	45	98433	18.24	ug/l	97
23) Vinyl Acetate	3.82	43	460352	89.96	ug/l	99
24) 1,1-Dichloroethane	3.70	63	54873	16.17	ug/l	97
25) 2-Butanone	4.68	43	194978	100.27	ug/l	99
26) 2,2-Dichloropropane	4.59	77	48887	20.55	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	36199	20.11	ug/l	96
28) Bromochloromethane	5.03	49	26607	19.01	ug/l	97
29) Tetrahydrofuran	5.15	42	119012	99.48	ug/l	98
30) Chloroform	5.22	83	65641	20.64	ug/l	97
31) Cyclohexane	5.59	56	53889	20.54	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	58700	20.46	ug/l	99
36) 1,1-Dichloropropene	5.81	75	47808	20.08	ug/l	100
37) Ethyl Acetate	4.84	43	64369	19.80	ug/l	99
38) Carbon Tetrachloride	5.79	117	48998	19.62	ug/l	99

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39) Methylcyclohexane	7.47	83	61569	21.27	ug/l	92
40) Benzene	6.15	78	142064	20.55	ug/l	96
41) Methacrylonitrile	5.06	41	32468	18.94	ug/l	97
42) 1,2-Dichloroethane	6.20	62	55712	20.54	ug/l	99
43) Isopropyl Acetate	6.46	43	96459	19.93	ug/l	98
44) Trichloroethene	7.22	130	41131	20.77	ug/l	99
45) 1,2-Dichloropropane	7.52	63	35645	20.15	ug/l	96
46) Dibromomethane	7.67	93	27264	19.63	ug/l	95
47) Bromodichloromethane	7.90	83	50898	20.83	ug/l	97
48) Methyl methacrylate	7.78	41	46972	19.99	ug/l	97
49) 1,4-Dioxane	7.75	88	18949	383.65	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	366736	97.89	ug/l	99
52) Toluene	8.79	92	93740	19.40	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	57975	20.47	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	56234	20.47	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	38462	19.35	ug/l	93
56) Ethyl methacrylate	9.19	69	57124	18.97	ug/l	99
57) 1,3-Dichloropropane	9.38	76	63848	20.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	142706	98.74	ug/l	98
59) 2-Hexanone	9.50	43	312894	98.36	ug/l	99
60) Dibromochloromethane	9.59	129	40389	19.88	ug/l	97
61) 1,2-Dibromoethane	9.68	107	42796	20.08	ug/l	100
64) Tetrachloroethene	9.34	164	40378	21.15	ug/l	96
65) Chlorobenzene	10.15	112	108359	19.79	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	38003	20.44	ug/l	98
67) Ethyl Benzene	10.26	91	187678	20.22	ug/l	98
68) m/p-Xylenes	10.37	106	145015	39.71	ug/l	98
69) o-Xylene	10.71	106	68247	19.30	ug/l	98
70) Styrene	10.72	104	114468	19.57	ug/l	98
71) Bromoform	10.87	173	29517	18.55	ug/l #	100
73) Isopropylbenzene	11.02	105	191210	21.08	ug/l	99
74) N-amyl acetate	6.46	43	96459	22.59	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	67871	21.16	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	62600m	21.28	ug/l	
77) Bromobenzene	11.26	156	48915	20.25	ug/l	98
78) n-propylbenzene	11.37	91	225101	20.81	ug/l	100
79) 2-Chlorotoluene	11.43	91	124868	19.99	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	160748	21.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18300	20.14	ug/l	95
82) 4-Chlorotoluene	11.52	91	152138	20.40	ug/l	99
83) tert-Butylbenzene	11.78	119	155234	20.18	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	165989	20.76	ug/l	100
85) sec-Butylbenzene	11.95	105	201770	21.20	ug/l	99
86) p-Isopropyltoluene	12.07	119	176196	20.85	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	91222	19.97	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	95021	19.81	ug/l	97
89) n-Butylbenzene	12.40	91	170669	21.69	ug/l	98
90) Hexachloroethane	12.60	117	27960	21.02	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	89599	20.01	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17726	19.81	ug/l	98

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93) 1,2,4-Trichlorobenzene	13.65	180	67028	20.88	ug/l	100
94) Hexachlorobutadiene	13.79	225	29707	22.35	ug/l	100
95) Naphthalene	13.84	128	229595	20.53	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	65619	20.68	ug/l	97

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

