

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000364.D
 Acq On : 20 Mar 2018 17:12
 Operator : JC/MD
 Sample : VX0320WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Manual Integrations
 APPROVED

sam
 3/21/2018 11:44:22 AM

Quant Time: Mar 21 05:00:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 14:01:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	117753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	189911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	102642	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	75719	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	5.51	113	58546	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.72	98	245151	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.15	95	90364	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	24062	18.54	ug/l	96
3) Chloromethane	1.32	50	26420	19.32	ug/l	99
4) Vinyl Chloride	1.41	62	29449	20.39	ug/l	95
5) Bromomethane	1.65	94	24600	14.26	ug/l	96
6) Chloroethane	1.73	64	18595	22.63	ug/l	98
7) Trichlorofluoromethane	1.93	101	49995	19.17	ug/l	99
8) Diethyl Ether	2.19	74	17838	19.14	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27742	19.08	ug/l	96
10) Methyl Iodide	2.52	142	19314	16.54	ug/l	99
11) Tert butyl alcohol	3.06	59	50796	96.07	ug/l	100
12) 1,1-Dichloroethene	2.38	96	23804	18.65	ug/l	97
13) Acrolein	2.30	56	13996	92.65	ug/l	99
14) Allyl chloride	2.73	41	45158	19.97	ug/l	99
15) Acrylonitrile	3.15	53	102817	96.01	ug/l	99
16) Acetone	2.45	43	121151	94.75	ug/l	99
17) Carbon Disulfide	2.57	76	64845	19.11	ug/l	99
18) Methyl Acetate	2.78	43	52787	19.69	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	89909	19.05	ug/l	99
20) Methylene Chloride	2.86	84	29184	19.76	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	26345	18.50	ug/l	94
22) Diisopropyl ether	3.88	45	86285	21.63	ug/l	96
23) Vinyl Acetate	3.83	43	411893	108.90	ug/l	98
24) 1,1-Dichloroethane	3.70	63	50669	20.20	ug/l	96
25) 2-Butanone	4.71	43	137556	95.71	ug/l	98
26) 2,2-Dichloropropane	4.59	77	33183	18.87	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	25280	19.00	ug/l	99
28) Bromochloromethane	5.03	49	20137	19.47	ug/l	98
29) Tetrahydrofuran	5.17	42	84643	95.72	ug/l	99
30) Chloroform	5.23	83	45513	19.36	ug/l	92
31) Cyclohexane	5.59	56	35928	18.53	ug/l	93
32) 1,1,1-Trichloroethane	5.51	97	39529	18.64	ug/l	99
36) 1,1-Dichloropropene	5.81	75	32821	18.45	ug/l	97
37) Ethyl Acetate	4.87	43	46771	19.25	ug/l	100
38) Carbon Tetrachloride	5.79	117	34007	18.22	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	43127	19.93	ug/l	96
40) Benzene	6.15	78	98915	19.15	ug/l	98
41) Methacrylonitrile	5.06	41	24088	18.80	ug/l	98
42) 1,2-Dichloroethane	6.20	62	38620	19.05	ug/l	99
43) Isopropyl Acetate	6.47	43	69157	19.12	ug/l	98
44) Trichloroethene	7.22	130	28199	19.05	ug/l	93
45) 1,2-Dichloropropane	7.53	63	26796	20.26	ug/l	100
46) Dibromomethane	7.67	93	20356	19.61	ug/l	98
47) Bromodichloromethane	7.91	83	35200	19.28	ug/l	99
48) Methyl methacrylate	7.79	41	34818	19.83	ug/l	99
49) 1,4-Dioxane	7.77	88	13783	373.40	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	274262	97.96	ug/l	98
52) Toluene	8.79	92	69584	19.27	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	41118	19.43	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	39531	19.26	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	28636	19.28	ug/l	95
56) Ethyl methacrylate	9.19	69	42025	18.67	ug/l	97
57) 1,3-Dichloropropane	9.38	76	46782	19.69	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	106282	98.40	ug/l	99
59) 2-Hexanone	9.51	43	230669	97.03	ug/l	100
60) Dibromochloromethane	9.59	129	29580	19.56	ug/l	97
61) 1,2-Dibromoethane	9.68	107	30883	19.39	ug/l	100
64) Tetrachloroethene	9.34	164	30376	20.47	ug/l	98
65) Chlorobenzene	10.15	112	80279	18.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	28296	19.58	ug/l	96
67) Ethyl Benzene	10.26	91	140032	19.41	ug/l	99
68) m/p-Xylenes	10.37	106	105144	37.03	ug/l	99
69) o-Xylene	10.71	106	51919	18.89	ug/l	99
70) Styrene	10.72	104	84242	18.52	ug/l	97
71) Bromoform	10.87	173	22348	18.19	ug/l #	100
73) Isopropylbenzene	11.02	105	141565	20.82	ug/l	99
74) N-amyl acetate	6.47	43	69157	21.45	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	49327	20.51	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	45257m	20.52	ug/l	
77) Bromobenzene	11.26	156	35631	19.67	ug/l	99
78) n-propylbenzene	11.37	91	164456	20.28	ug/l	99
79) 2-Chlorotoluene	11.43	91	91032	19.43	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	118084	20.65	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	13037	19.13	ug/l	91
82) 4-Chlorotoluene	11.52	91	112545	20.12	ug/l	99
83) tert-Butylbenzene	11.78	119	117282	20.34	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	124373	20.75	ug/l	99
85) sec-Butylbenzene	11.96	105	146438	20.52	ug/l	99
86) p-Isopropyltoluene	12.07	119	129945	20.50	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	67842	19.81	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	68385	19.01	ug/l	95
89) n-Butylbenzene	12.40	91	117510	19.91	ug/l	98
90) Hexachloroethane	12.60	117	19919	19.97	ug/l	90
91) 1,2-Dichlorobenzene	12.40	146	67810	20.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13586	20.25	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	48967	20.34	ug/l	96
94) Hexachlorobutadiene	13.79	225	20361	20.42	ug/l	98
95) Naphthalene	13.84	128	170630	20.35	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	47645	20.03	ug/l	98

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

