

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX005970.D
 Acq On : 14 Nov 2018 13:23
 Operator : JC/MD
 Sample : VX1114WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:04:55 PM

Quant Time: Nov 15 00:40:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	98352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	147507	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	128370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71050	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	59121	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	5.50	113	47591	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
50) Toluene-d8	8.71	98	162657	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.14	95	60628	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	17444	19.67	ug/l	84
3) Chloromethane	1.32	50	23218	19.95	ug/l	92
4) Vinyl Chloride	1.40	62	23322	19.96	ug/l	91
5) Bromomethane	1.64	94	13503	18.89	ug/l	98
6) Chloroethane	1.72	64	13374	19.19	ug/l	98
7) Trichlorofluoromethane	1.93	101	32383	20.88	ug/l	94
8) Diethyl Ether	2.19	74	12458	20.50	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18728	21.00	ug/l	95
10) Methyl Iodide	2.51	142	18525	17.14	ug/l	100
11) Tert butyl alcohol	3.06	59	32221	99.48	ug/l	99
12) 1,1-Dichloroethene	2.37	96	16717	19.23	ug/l	89
13) Acrolein	2.29	56	23759	161.21	ug/l	95
14) Allyl chloride	2.73	41	43066	22.18	ug/l	98
15) Acrylonitrile	3.15	53	72979	108.72	ug/l	99
16) Acetone	2.45	43	64586	106.09	ug/l	93
17) Carbon Disulfide	2.57	76	49226	18.98	ug/l	98
18) Methyl Acetate	2.78	43	38744	22.95	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	62936	21.21	ug/l	99
20) Methylene Chloride	2.85	84	20187	20.19	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	18400	20.07	ug/l	92
22) Diisopropyl ether	3.87	45	73643	21.65	ug/l	92
23) Vinyl Acetate	3.82	43	320796	110.00	ug/l	98
24) 1,1-Dichloroethane	3.70	63	37626	20.74	ug/l	98
25) 2-Butanone	4.70	43	100004	104.49	ug/l	99
26) 2,2-Dichloropropane	4.58	77	28840	21.67	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	19647	19.41	ug/l	89
28) Bromochloromethane	5.01	49	17661	21.78	ug/l	96
29) Tetrahydrofuran	5.15	42	62304	101.38	ug/l	99
30) Chloroform	5.21	83	37535	21.44	ug/l	# 82
31) Cyclohexane	5.57	56	29818	18.93	ug/l	87
32) 1,1,1-Trichloroethane	5.50	97	30037	20.57	ug/l	98
36) 1,1-Dichloropropene	5.79	75	24255	17.06	ug/l	97
37) Ethyl Acetate	4.85	43	36358	19.44	ug/l	99
38) Carbon Tetrachloride	5.78	117	27055	19.00	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	25154	17.45	ug/l	97
40) Benzene	6.14	78	75463	18.20	ug/l	98
41) Methacrylonitrile	5.06	41	18757	18.56	ug/l	98
42) 1,2-Dichloroethane	6.20	62	27976	18.84	ug/l	99
43) Isopropyl Acetate	6.46	43	49244	18.17	ug/l	100
44) Trichloroethene	7.21	130	18879	17.93	ug/l	99
45) 1,2-Dichloropropane	7.51	63	19260	19.14	ug/l	94
46) Dibromomethane	7.66	93	12209	19.34	ug/l	98
47) Bromodichloromethane	7.90	83	23826	19.97	ug/l	100
48) Methyl methacrylate	7.77	41	23854	19.61	ug/l	98
49) 1,4-Dioxane	7.75	88	9529	363.46	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	165963	97.19	ug/l	99
52) Toluene	8.79	92	43451	18.75	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	25527	18.13	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	28028	19.53	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	18269	17.69	ug/l	99
56) Ethyl methacrylate	9.18	69	26116	16.90	ug/l	98
57) 1,3-Dichloropropane	9.37	76	30722	17.71	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	80687	100.95	ug/l	99
59) 2-Hexanone	9.49	43	132045	87.72	ug/l	98
60) Dibromochloromethane	9.59	129	18810	16.86	ug/l	99
61) 1,2-Dibromoethane	9.67	107	18987	16.63	ug/l	98
64) Tetrachloroethene	9.34	164	20418	18.68	ug/l	98
65) Chlorobenzene	10.14	112	49168	19.12	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	17929	20.05	ug/l	99
67) Ethyl Benzene	10.25	91	81512	19.77	ug/l	100
68) m/p-Xylenes	10.36	106	63270	40.22	ug/l	97
69) o-Xylene	10.70	106	30095	21.34	ug/l	99
70) Styrene	10.71	104	50031	21.50	ug/l	99
71) Bromoform	10.86	173	15298	20.41	ug/l #	100
73) Isopropylbenzene	11.02	105	83328	20.28	ug/l	100
74) N-amyl acetate	10.90	43	39566	17.98	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	29492	19.56	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	29450m	20.36	ug/l	
77) Bromobenzene	11.26	156	22219	19.19	ug/l	99
78) n-propylbenzene	11.36	91	96900	20.01	ug/l	98
79) 2-Chlorotoluene	11.42	91	58664	20.04	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	71359	20.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	8828	19.45	ug/l	95
82) 4-Chlorotoluene	11.51	91	69581	20.17	ug/l	99
83) tert-Butylbenzene	11.77	119	69237	19.60	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	74815	19.34	ug/l	98
85) sec-Butylbenzene	11.94	105	85474	19.79	ug/l	99
86) p-Isopropyltoluene	12.07	119	74958	19.59	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	41194	18.53	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	42308	18.60	ug/l	98
89) n-Butylbenzene	12.39	91	65893	18.58	ug/l	99
90) Hexachloroethane	12.60	117	12225	19.14	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	41854	18.80	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7232	19.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	29614	18.89	ug/l	99
94) Hexachlorobutadiene	13.78	225	15410	18.72	ug/l	100
95) Naphthalene	13.83	128	89283	18.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	30843	19.32	ug/l	99

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

