

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004533.D
 Acq On : 14 Sep 2018 12:14
 Operator : JC/MD
 Sample : VX0914WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:21 PM

Quant Time: Sep 15 05:08:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199372	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	176270	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	5.51	113	151343	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	8.71	98	518955	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.14	95	188592	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55317	20.84	ug/l	94
3) Chloromethane	1.32	50	67551	18.49	ug/l	99
4) Vinyl Chloride	1.40	62	72551	19.35	ug/l	94
5) Bromomethane	1.64	94	35063	21.67	ug/l	99
6) Chloroethane	1.72	64	45114	18.61	ug/l	99
7) Trichlorofluoromethane	1.93	101	92909	18.70	ug/l	84
8) Diethyl Ether	2.18	74	41451	18.60	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	60152	19.08	ug/l	96
10) Methyl Iodide	2.51	142	57583	18.24	ug/l	98
11) Tert butyl alcohol	3.06	59	76104	87.35	ug/l	99
12) 1,1-Dichloroethene	2.37	96	57436	19.41	ug/l	94
13) Acrolein	2.29	56	37897	110.19	ug/l	96
14) Allyl chloride	2.73	41	112156	18.44	ug/l	96
15) Acrylonitrile	3.15	53	193585	92.27	ug/l	98
16) Acetone	2.45	43	148509	83.33	ug/l	99
17) Carbon Disulfide	2.57	76	163105	19.07	ug/l	97
18) Methyl Acetate	2.78	43	90843	18.17	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	191542	18.45	ug/l	97
20) Methylene Chloride	2.85	84	67870	18.56	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	61861	18.92	ug/l	92
22) Diisopropyl ether	3.86	45	207584	18.95	ug/l	93
23) Vinyl Acetate	3.82	43	847926	95.64	ug/l	96
24) 1,1-Dichloroethane	3.70	63	115793	18.72	ug/l	99
25) 2-Butanone	4.70	43	236334	83.32	ug/l	96
26) 2,2-Dichloropropane	4.57	77	86452	20.35	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	71580	19.61	ug/l	98
28) Bromochloromethane	5.01	49	57445	20.30	ug/l	98
29) Tetrahydrofuran	5.15	42	153448	89.71	ug/l	97
30) Chloroform	5.21	83	114949	19.03	ug/l	94
31) Cyclohexane	5.57	56	104581	19.80	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	96048	19.75	ug/l	100
36) 1,1-Dichloropropene	5.80	75	89468	21.53	ug/l	99
37) Ethyl Acetate	4.85	43	90020	19.05	ug/l	99
38) Carbon Tetrachloride	5.78	117	84064	20.71	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91433	21.09	ug/l	97
40) Benzene	6.15	78	266964	21.65	ug/l	95
41) Methacrylonitrile	5.06	41	50944	19.57	ug/l	99
42) 1,2-Dichloroethane	6.20	62	86570	21.17	ug/l	99
43) Isopropyl Acetate	6.46	43	123052	19.60	ug/l	100
44) Trichloroethene	7.21	130	65202	20.36	ug/l	98
45) 1,2-Dichloropropane	7.51	63	60210	20.30	ug/l	99
46) Dibromomethane	7.66	93	37577	20.05	ug/l	99
47) Bromodichloromethane	7.90	83	70278	19.83	ug/l	98
48) Methyl methacrylate	7.77	41	60765	19.56	ug/l	98
49) 1,4-Dioxane	7.75	88	28668	389.94	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	400390	90.39	ug/l	97
52) Toluene	8.79	92	144841	19.94	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	78185	18.89	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	87252	20.67	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	58659	18.76	ug/l	97
56) Ethyl methacrylate	9.18	69	80028	18.09	ug/l	97
57) 1,3-Dichloropropane	9.37	76	96333	18.96	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	215157	99.94	ug/l	96
59) 2-Hexanone	9.49	43	301218	88.66	ug/l	97
60) Dibromochloromethane	9.59	129	56310	19.13	ug/l	99
61) 1,2-Dibromoethane	9.67	107	60095	20.11	ug/l	99
64) Tetrachloroethene	9.34	164	75106	18.55	ug/l	98
65) Chlorobenzene	10.14	112	163476	20.29	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	56469	20.33	ug/l	99
67) Ethyl Benzene	10.25	91	269808	20.60	ug/l	98
68) m/p-Xylenes	10.36	106	214088	42.43	ug/l	97
69) o-Xylene	10.70	106	100151	20.64	ug/l	97
70) Styrene	10.71	104	170351	21.20	ug/l	98
71) Bromoform	10.86	173	43392	19.02	ug/l #	98
73) Isopropylbenzene	11.02	105	276656	21.07	ug/l	100
74) N-amyl acetate	10.90	43	105194	19.03	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	81359	19.21	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	79615m	19.85	ug/l	
77) Bromobenzene	11.26	156	73433	20.23	ug/l	98
78) n-propylbenzene	11.36	91	323912	21.45	ug/l	100
79) 2-Chlorotoluene	11.42	91	187848	20.52	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	235482	21.33	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	24014	19.08	ug/l	98
82) 4-Chlorotoluene	11.51	91	224748	21.03	ug/l	99
83) tert-Butylbenzene	11.77	119	221433	21.07	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	241511	21.43	ug/l	100
85) sec-Butylbenzene	11.94	105	285290	21.30	ug/l	99
86) p-Isopropyltoluene	12.07	119	256233	21.67	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	138492	20.45	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	140816	20.13	ug/l	98
89) n-Butylbenzene	12.39	91	224774	20.86	ug/l	97
90) Hexachloroethane	12.60	117	37045	19.57	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	138365	20.19	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17008	18.81	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	101864	20.99	ug/l	98
94) Hexachlorobutadiene	13.79	225	51921	20.48	ug/l	96
95) Naphthalene	13.83	128	278410	20.45	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	103129	20.69	ug/l	99

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

