

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004473.D
 Acq On : 11 Sep 2018 18:47
 Operator : JC/MD
 Sample : VX0911WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:47 AM

Quant Time: Sep 12 07:08:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 15:21:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	242308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199469	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	167257	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
35) Dibromofluoromethane	5.50	113	140519	43.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.56%	
50) Toluene-d8	8.72	98	553801	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.14	95	197195	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	49449	21.77	ug/l	100
3) Chloromethane	1.32	50	67951	21.74	ug/l	100
4) Vinyl Chloride	1.40	62	70121	21.86	ug/l	99
5) Bromomethane	1.64	94	38640	28.26	ug/l	99
6) Chloroethane	1.72	64	42760	20.61	ug/l	96
7) Trichlorofluoromethane	1.93	101	90504	21.28	ug/l	96
8) Diethyl Ether	2.19	74	40067	21.02	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	55850	20.70	ug/l	99
10) Methyl Iodide	2.51	142	55472	19.99	ug/l	99
11) Tert butyl alcohol	3.07	59	83174	111.57	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53707	21.21	ug/l	97
13) Acrolein	2.29	56	36209	123.04	ug/l	96
14) Allyl chloride	2.73	41	112784	21.67	ug/l	94
15) Acrylonitrile	3.15	53	195674	108.99	ug/l	99
16) Acetone	2.45	43	159093	104.33	ug/l	98
17) Carbon Disulfide	2.57	76	156280	21.36	ug/l	98
18) Methyl Acetate	2.78	43	91919	21.49	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	189446	21.33	ug/l	97
20) Methylene Chloride	2.85	84	63300	20.24	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	58982	21.08	ug/l	96
22) Diisopropyl ether	3.87	45	197662	21.08	ug/l	96
23) Vinyl Acetate	3.82	43	827570	109.09	ug/l	98
24) 1,1-Dichloroethane	3.70	63	114738	21.68	ug/l	98
25) 2-Butanone	4.71	43	247258	101.88	ug/l	96
26) 2,2-Dichloropropane	4.58	77	73309	20.17	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	65745	21.05	ug/l	99
28) Bromochloromethane	5.01	49	55720	23.02	ug/l	92
29) Tetrahydrofuran	5.16	42	161623	110.43	ug/l	96
30) Chloroform	5.22	83	110777	21.44	ug/l	93
31) Cyclohexane	5.57	56	93767	20.75	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	85976	20.66	ug/l	99
36) 1,1-Dichloropropene	5.80	75	77662	18.03	ug/l	99
37) Ethyl Acetate	4.86	43	92963	18.98	ug/l	100
38) Carbon Tetrachloride	5.78	117	74873	17.80	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91925	20.45	ug/l	97
40) Benzene	6.14	78	240860	18.85	ug/l	100
41) Methacrylonitrile	5.06	41	50912	18.86	ug/l	99
42) 1,2-Dichloroethane	6.20	62	80422	18.97	ug/l	99
43) Isopropyl Acetate	6.46	43	132163	20.31	ug/l	98
44) Trichloroethene	7.21	130	65342	19.68	ug/l	95
45) 1,2-Dichloropropane	7.52	63	64011	20.82	ug/l	98
46) Dibromomethane	7.66	93	39963	20.57	ug/l	97
47) Bromodichloromethane	7.90	83	73276	19.94	ug/l	99
48) Methyl methacrylate	7.78	41	68708	21.34	ug/l	96
49) 1,4-Dioxane	7.76	88	32815	430.56	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	459046	99.97	ug/l	96
52) Toluene	8.79	92	149675	19.88	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	81198	18.92	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	90271	20.63	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	61453	18.95	ug/l	96
56) Ethyl methacrylate	9.18	69	86284	18.81	ug/l	96
57) 1,3-Dichloropropane	9.37	76	102285	19.42	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	236097	105.37	ug/l	95
59) 2-Hexanone	9.50	43	348865	99.05	ug/l	96
60) Dibromochloromethane	9.59	129	58664	19.22	ug/l	100
61) 1,2-Dibromoethane	9.68	107	62262	20.10	ug/l	100
64) Tetrachloroethene	9.34	164	73586	17.53	ug/l	97
65) Chlorobenzene	10.14	112	166627	19.95	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	57039	19.81	ug/l	100
67) Ethyl Benzene	10.26	91	276222	20.34	ug/l	98
68) m/p-Xylenes	10.36	106	218160	41.71	ug/l	96
69) o-Xylene	10.70	106	103207	20.52	ug/l	98
70) Styrene	10.71	104	174851	20.99	ug/l	98
71) Bromoform	10.86	173	44874	18.98	ug/l	99
73) Isopropylbenzene	11.02	105	282144	21.48	ug/l	100
74) N-amyl acetate	10.90	43	116304	21.03	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	88750	20.94	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	83788m	21.50	ug/l	
77) Bromobenzene	11.26	156	74699	20.57	ug/l	97
78) n-propylbenzene	11.36	91	323992	21.45	ug/l	100
79) 2-Chlorotoluene	11.42	91	192415	21.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	236998	21.46	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	25319	20.11	ug/l	98
82) 4-Chlorotoluene	11.51	91	227445	21.27	ug/l	100
83) tert-Butylbenzene	11.77	119	222945	21.20	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	246105	21.83	ug/l	98
85) sec-Butylbenzene	11.95	105	286161	21.36	ug/l	99
86) p-Isopropyltoluene	12.07	119	254657	21.52	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	137023	20.23	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	140226	20.03	ug/l	99
89) n-Butylbenzene	12.39	91	220561	20.46	ug/l	98
90) Hexachloroethane	12.60	117	37497	19.80	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	138678	20.22	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19322	21.36	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	99475	20.49	ug/l	98
94) Hexachlorobutadiene	13.79	225	49548	19.54	ug/l	96
95) Naphthalene	13.83	128	290253	21.31	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	102511	20.55	ug/l	98

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

