

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX111418\
 Data File : VX005982.D
 Acq On : 14 Nov 2018 18:48
 Operator : JC/MD
 Sample : J5934-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MS

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:05:23 PM

Quant Time: Nov 15 01:29:28 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	114085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	166122	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	149797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	82041	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	71130	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
35) Dibromofluoromethane	5.49	113	59354	52.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	8.71	98	204049	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	
62) 4-Bromofluorobenzene	11.14	95	76014	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	49802	48.42	ug/l	95
3) Chloromethane	1.32	50	63466	47.01	ug/l	99
4) Vinyl Chloride	1.40	62	80674	59.53	ug/l	96
5) Bromomethane	1.64	94	37023	44.64	ug/l	88
6) Chloroethane	1.71	64	41027	50.74	ug/l	95
7) Trichlorofluoromethane	1.93	101	90797	50.48	ug/l	97
8) Diethyl Ether	2.19	74	38912	55.21	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	50594	48.90	ug/l	98
10) Methyl Iodide	2.51	142	64503	51.44	ug/l	98
11) Tert butyl alcohol	3.07	59	93300	248.33	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53589	53.14	ug/l	94
13) Acrolein	2.29	56	62184	339.67	ug/l	99
14) Allyl chloride	2.73	41	108229	48.06	ug/l	99
15) Acrylonitrile	3.15	53	206701	265.47	ug/l	99
16) Acetone	2.45	43	183122	259.32	ug/l	94
17) Carbon Disulfide	2.57	76	150666	50.09	ug/l	100
18) Methyl Acetate	2.78	43	98632	52.18	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	193545	56.24	ug/l	100
20) Methylene Chloride	2.86	84	60738	52.36	ug/l	83
21) trans-1,2-Dichloroethene	3.17	96	57387	53.96	ug/l	99
22) Diisopropyl ether	3.88	45	211015	53.49	ug/l	# 86
23) Vinyl Acetate	3.83	43	767866	227.00	ug/l	100
24) 1,1-Dichloroethane	3.70	63	108680	51.63	ug/l	99
25) 2-Butanone	4.70	43	288656	260.00	ug/l	98
26) 2,2-Dichloropropane	4.57	77	48026	31.10	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	81136	69.09	ug/l	98
28) Bromochloromethane	5.02	49	56065	59.60	ug/l	100
29) Tetrahydrofuran	5.15	42	185744	260.57	ug/l	100
30) Chloroform	5.21	83	105711	52.06	ug/l	89
31) Cyclohexane	5.58	56	97122	53.16	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	88492	52.24	ug/l	98
36) 1,1-Dichloropropene	5.79	75	74254	46.37	ug/l	99
37) Ethyl Acetate	4.86	43	92172	43.77	ug/l	100
38) Carbon Tetrachloride	5.79	117	78020	48.66	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80810	49.79	ug/l	100
40) Benzene	6.14	78	230988	49.48	ug/l	99
41) Methacrylonitrile	5.06	41	60812	53.44	ug/l	97
42) 1,2-Dichloroethane	6.20	62	83722	50.07	ug/l	100
43) Isopropyl Acetate	6.46	43	143238	46.94	ug/l	98
44) Trichloroethene	7.21	130	57595	48.58	ug/l	87
45) 1,2-Dichloropropane	7.51	63	60809	53.66	ug/l	95
46) Dibromomethane	7.66	93	37519	52.76	ug/l	99
47) Bromodichloromethane	7.90	83	71900	53.50	ug/l	97
48) Methyl methacrylate	7.77	41	76492	55.83	ug/l	97
49) 1,4-Dioxane	7.75	88	29846	1010.84	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	515598	268.09	ug/l	99
52) Toluene	8.79	92	134249	51.45	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	74682	47.09	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	79942	49.46	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	55913	48.08	ug/l	99
56) Ethyl methacrylate	9.18	69	91789	52.75	ug/l	98
57) 1,3-Dichloropropane	9.37	76	95296	48.76	ug/l	99
59) 2-Hexanone	9.49	43	405971	239.48	ug/l	98
60) Dibromochloromethane	9.58	129	58860	46.83	ug/l	100
61) 1,2-Dibromoethane	9.67	107	58828	45.75	ug/l	99
64) Tetrachloroethene	9.33	164	51227	40.17	ug/l	98
65) Chlorobenzene	10.14	112	151424	50.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	55950	53.63	ug/l	100
67) Ethyl Benzene	10.25	91	262143	54.48	ug/l	100
68) m/p-Xylenes	10.36	106	199040	108.44	ug/l	100
69) o-Xylene	10.70	106	96599	58.69	ug/l	99
70) Styrene	10.71	104	161697	59.55	ug/l	100
71) Bromoform	10.86	173	48602	55.57	ug/l #	98
73) Isopropylbenzene	11.02	105	264064	55.66	ug/l	100
74) N-amyl acetate	10.90	43	115441	43.53	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	95888	55.06	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	86670m	51.88	ug/l	
77) Bromobenzene	11.26	156	69956	52.31	ug/l	99
78) n-propylbenzene	11.36	91	303059	54.20	ug/l	99
79) 2-Chlorotoluene	11.42	91	181194	53.61	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	223853	55.52	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	23304	44.46	ug/l	93
82) 4-Chlorotoluene	11.51	91	212218	53.28	ug/l	100
83) tert-Butylbenzene	11.77	119	227607	55.80	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	229795	51.65	ug/l	100
85) sec-Butylbenzene	11.94	105	266218	53.37	ug/l	100
86) p-Isopropyltoluene	12.07	119	235316	53.26	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	127447	49.66	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	130378	49.63	ug/l	99
89) n-Butylbenzene	12.39	91	203024	49.58	ug/l	100
90) Hexachloroethane	12.60	117	40369	54.73	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	130131	50.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22798	53.65	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	95673	52.86	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	42813	45.03	ug/l	98
95) Naphthalene	13.83	128	307163	51.99	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	99131	53.76	ug/l	99

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

