

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008970.D
 Acq On : 15 Apr 2019 19:05
 Operator : JC/SP
 Sample : K2385-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MS

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:53:34 AM

Quant Time: Apr 16 04:43:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	318196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144451	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	162223	52.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.94%		
35) Dibromofluoromethane	5.50	113	119203	52.01	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.02%		
50) Toluene-d8	8.71	98	483165	52.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.72%		
62) 4-Bromofluorobenzene	11.13	95	169497	52.53	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.06%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	134408	53.695	ug/l	99
3) Chloromethane	1.32	50	158049	51.430	ug/l	100
4) Vinyl Chloride	1.41	62	154389	51.617	ug/l	98
5) Bromomethane	1.64	94	85894	46.178	ug/l	99
6) Chloroethane	1.71	64	91440	51.989	ug/l	96
7) Trichlorofluoromethane	1.93	101	176189	50.452	ug/l	97
8) Diethyl Ether	2.19	74	80255	50.251	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110346	49.420	ug/l	99
10) Methyl Iodide	2.51	142	125113	51.139	ug/l	99
11) Tert butyl alcohol	3.05	59	160518	236.109	ug/l	99
12) 1,1-Dichloroethene	2.37	96	115161	49.413	ug/l	98
13) Acrolein	2.29	56	144146	245.391	ug/l	100
14) Allyl chloride	2.73	41	261486	51.427	ug/l	99
15) Acrylonitrile	3.14	53	437339	253.416	ug/l	99
16) Acetone	2.45	43	361846	227.824	ug/l	100
17) Carbon Disulfide	2.57	76	339727	49.616	ug/l	100
18) Methyl Acetate	2.78	43	189976	47.926	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	425017	51.181	ug/l	99
20) Methylene Chloride	2.85	84	132491	48.779	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	122568	49.307	ug/l	96
22) Diisopropyl ether	3.85	45	511943	51.815	ug/l	97
23) Vinyl Acetate	3.81	43	2274541	261.889	ug/l	99
24) 1,1-Dichloroethane	3.70	63	251941	50.797	ug/l	99
25) 2-Butanone	4.67	43	638183	251.378	ug/l	99
26) 2,2-Dichloropropane	4.59	77	174448	46.923	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	150229	53.229	ug/l	100
28) Bromochloromethane	5.01	49	110282	53.675	ug/l	99
29) Tetrahydrofuran	5.13	42	430705	253.471	ug/l	99
30) Chloroform	5.21	83	227874	51.344	ug/l	98
31) Cyclohexane	5.58	56	247464	50.729	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	189863	51.615	ug/l	99
36) 1,1-Dichloropropene	5.80	75	177897	48.168	ug/l	99
37) Ethyl Acetate	4.83	43	243388	51.214	ug/l	99
38) Carbon Tetrachloride	5.79	117	159068	50.804	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220294	48.991	ug/l	98
40) Benzene	6.14	78	544460	49.972	ug/l	99
41) Methacrylonitrile	5.04	41	141393	51.840	ug/l	99
42) 1,2-Dichloroethane	6.20	62	193000	50.006	ug/l	99
43) Isopropyl Acetate	6.45	43	388118	50.679	ug/l	100
44) Trichloroethene	7.21	130	131627	49.307	ug/l	97
45) 1,2-Dichloropropane	7.51	63	153822	50.890	ug/l	99
46) Dibromomethane	7.66	93	86585	49.221	ug/l	100
47) Bromodichloromethane	7.90	83	174974	50.714	ug/l	98
48) Methyl methacrylate	7.77	41	197516	52.196	ug/l	99
49) 1,4-Dioxane	7.74	88	61614	869.927	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1238504	253.844	ug/l	100
52) Toluene	8.78	92	326074	49.937	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	204548	51.514	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	225088	50.626	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	130960	50.604	ug/l	97
56) Ethyl methacrylate	9.18	69	240587	51.846	ug/l	99
57) 1,3-Dichloropropane	9.37	76	233462	50.667	ug/l	100
59) 2-Hexanone	9.49	43	925433	246.021	ug/l	100
60) Dibromochloromethane	9.58	129	129997	52.412	ug/l	98
61) 1,2-Dibromoethane	9.67	107	135653	50.788	ug/l	100
64) Tetrachloroethene	9.34	164	147353	60.958	ug/l	98
65) Chlorobenzene	10.13	112	330187	49.162	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	120017	50.725	ug/l	100
67) Ethyl Benzene	10.25	91	608942	49.598	ug/l	100
68) m/p-Xylenes	10.36	106	443669	99.433	ug/l	100
69) o-Xylene	10.69	106	213306	49.131	ug/l	97
70) Stvrene	10.71	104	371793	49.417	ug/l	99
71) Bromoform	10.85	173	95914	50.883	ug/l #	100
73) Isopropylbenzene	11.02	105	570306	52.086	ug/l	100
74) N-amyl acetate	10.90	43	324369	51.595	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	204473	51.110	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	180471m	51.165	ug/l	
77) Bromobenzene	11.26	156	139416	50.466	ug/l	99
78) n-propylbenzene	11.36	91	656203	52.215	ug/l	99
79) 2-Chlorotoluene	11.42	91	390456	51.559	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	478518	52.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	71708	52.193	ug/l	98
82) 4-Chlorotoluene	11.51	91	451436	51.328	ug/l	99
83) tert-Butylbenzene	11.77	119	459113	52.045	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	484081	51.758	ug/l	99
85) sec-Butylbenzene	11.94	105	547089	52.000	ug/l	100
86) p-Isopropyltoluene	12.06	119	495841	51.261	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	242656	50.186	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	239222	48.807	ug/l	100
89) n-Butylbenzene	12.38	91	458095	50.852	ug/l	100
90) Hexachloroethane	12.60	117	85745	53.739	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	237012	49.641	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45004	49.407	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	166958	48.442	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	82965	48.264	ug/l	99
95) Naphthalene	13.83	128	547662	49.597	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	166294	48.901	ug/l	100

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

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