

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102218\
 Data File : VX005512.D
 Acq On : 23 Oct 2018 10:46
 Operator : JC/MD
 Sample : J5621-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PA-SW-01MSD

Manual Integrations
 APPROVED

MMDadoda
 10/23/2018 1:28:30 PM

Quant Time: Oct 23 12:24:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	191017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	262041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147331	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	126624	59.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.46%	
35) Dibromofluoromethane	5.51	113	100330	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	8.72	98	346040	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	11.14	95	130245	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	72791	48.738	ug/l	99
3) Chloromethane	1.32	50	111301	51.431	ug/l	100
4) Vinyl Chloride	1.41	62	104668	47.745	ug/l	98
5) Bromomethane	1.64	94	64061	51.720	ug/l	95
6) Chloroethane	1.71	64	66964	51.903	ug/l	98
7) Trichlorofluoromethane	1.92	101	149819	51.211	ug/l	94
8) Diethyl Ether	2.19	74	64113	51.320	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.38	101	83427	49.408	ug/l	99
10) Methyl Iodide	2.51	142	94480	50.979	ug/l	97
11) Tert butyl alcohol	3.09	59	202439	338.517	ug/l	99
12) 1,1-Dichloroethene	2.37	96	82346	49.221	ug/l	93
13) Acrolein	2.29	56	91110	238.655	ug/l	97
14) Allyl chloride	2.73	41	190943	51.985	ug/l #	94
15) Acrylonitrile	3.15	53	390460	288.130	ug/l	98
16) Acetone	2.45	43	374227	305.303	ug/l	95
17) Carbon Disulfide	2.56	76	216918	42.801	ug/l	99
18) Methyl Acetate	2.78	43	212460	60.925	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	337355	57.255	ug/l	98
20) Methylene Chloride	2.85	84	99834	56.056	ug/l #	92
21) trans-1,2-Dichloroethene	3.16	96	90966	49.064	ug/l	87
22) Diisopropyl ether	3.87	45	368260	59.691	ug/l #	91
23) Vinyl Acetate	3.83	43	1311616	243.239	ug/l #	93
24) 1,1-Dichloroethane	3.69	63	186298	52.689	ug/l	99
25) 2-Butanone	4.71	43	553375	308.558	ug/l	93
26) 2,2-Dichloropropane	4.57	77	79274	29.979	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	108969	54.081	ug/l	99
28) Bromochloromethane	5.02	49	91912	57.022	ug/l	92
29) Tetrahydrofuran	5.16	42	374644	327.493	ug/l	93
30) Chloroform	5.22	83	191525	58.359	ug/l	86
31) Cyclohexane	5.57	56	141547	48.571	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	160165	56.088	ug/l	99
36) 1,1-Dichloropropene	5.80	75	125511	45.509	ug/l	99
37) Ethyl Acetate	4.86	43	181305	51.118	ug/l	97
38) Carbon Tetrachloride	5.78	117	135753	48.988	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	125340	41.991	ug/l	97
40) Benzene	6.14	78	401028	48.472	ug/l #	89
41) Methacrylonitrile	5.06	41	114520	60.227	ug/l	93
42) 1,2-Dichloroethane	6.20	62	154944	53.039	ug/l	94
43) Isopropyl Acetate	6.46	43	275272	58.263	ug/l	96
44) Trichloroethene	7.21	130	107393	50.849	ug/l	88
45) 1,2-Dichloropropane	7.52	63	104329	51.408	ug/l	99
46) Dibromomethane	7.66	93	68442	51.097	ug/l	98
47) Bromodichloromethane	7.90	83	132790	53.597	ug/l	98
48) Methyl methacrylate	7.78	41	146156	59.645	ug/l	93
49) 1,4-Dioxane	7.76	88	67795	1199.501	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1063175	324.987	ug/l	94
52) Toluene	8.79	92	236861	52.331	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	136180	50.789	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	143679	49.455	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	103421	53.946	ug/l	96
56) Ethyl methacrylate	9.18	69	165541	59.232	ug/l	92
57) 1,3-Dichloropropane	9.37	76	172417	53.883	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.27	63	1321	0.843	ug/l #	45
59) 2-Hexanone	9.50	43	870839	330.921	ug/l	93
60) Dibromochloromethane	9.58	129	110906	55.966	ug/l	99
61) 1,2-Dibromoethane	9.68	107	107569	53.465	ug/l	98
64) Tetrachloroethene	9.33	164	96437	45.714	ug/l	98
65) Chlorobenzene	10.14	112	270936	48.608	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	104081	52.399	ug/l	97
67) Ethyl Benzene	10.26	91	458906	50.644	ug/l	98
68) m/p-Xylenes	10.36	106	357766	101.724	ug/l	94
69) o-Xylene	10.70	106	174643	51.487	ug/l	97
70) Styrene	10.71	104	289845	51.952	ug/l	96
71) Bromoform	10.86	173	95189	53.626	ug/l	99
73) Isopropylbenzene	11.02	105	472655	53.966	ug/l	99
74) N-amyl acetate	10.90	43	218522	51.729	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	181765	55.015	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	159319m	55.749	ug/l	
77) Bromobenzene	11.26	156	126833	50.647	ug/l	97
78) n-propylbenzene	11.36	91	537112	53.292	ug/l	99
79) 2-Chlorotoluene	11.42	91	329063	53.311	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	407061	54.274	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	43464	46.212	ug/l	99
82) 4-Chlorotoluene	11.51	91	385377	52.669	ug/l	99
83) tert-Butylbenzene	11.77	119	403308	53.101	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	416126	53.913	ug/l	98
85) sec-Butylbenzene	11.95	105	473255	52.653	ug/l	99
86) p-Isopropyltoluene	12.07	119	420605	51.774	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	234766	50.169	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	239789	50.090	ug/l	99
89) n-Butylbenzene	12.39	91	361174	48.965	ug/l	97
90) Hexachloroethane	12.60	117	74808	53.431	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	239995	50.257	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47913	59.451	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	175774	50.171	ug/l	100
94) Hexachlorobutadiene	13.79	225	79133	42.766	ug/l	96
95) Naphthalene	13.83	128	601322	59.182	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	184334	51.421	ug/l	99

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

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