

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX004011.D
 Acq On : 13 Aug 2018 20:07
 Operator : JC/MD
 Sample : J4429-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MSD

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:56:18 PM

Quant Time: Aug 14 05:36:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	324494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	486494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	459412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	278996	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	211979	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	5.51	113	179405	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	8.72	98	694909	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.14	95	263889	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	155024	47.14	ug/l	99
3) Chloromethane	1.32	50	184820	41.31	ug/l	99
4) Vinyl Chloride	1.40	62	202262	45.33	ug/l	100
5) Bromomethane	1.64	94	100735	35.45	ug/l	98
6) Chloroethane	1.72	64	140619	49.26	ug/l	98
7) Trichlorofluoromethane	1.93	101	284805	48.35	ug/l	99
8) Diethyl Ether	2.18	74	128582	48.56	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	175247	47.59	ug/l	99
10) Methyl Iodide	2.51	142	179973	39.29	ug/l	100
11) Tert butyl alcohol	3.04	59	213696	206.74	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	166668	47.85	ug/l	93
13) Acrolein	2.29	56	101545	178.23	ug/l	97
14) Allyl chloride	2.73	41	315206	46.95	ug/l	97
15) Acrylonitrile	3.14	53	629269	255.14	ug/l	94
16) Acetone	2.44	43	568711	222.24	ug/l	100
17) Carbon Disulfide	2.57	76	430239	40.49	ug/l	99
18) Methyl Acetate	2.77	43	276818	49.68	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	620107	50.25	ug/l #	1
20) Methylene Chloride	2.86	84	201758	32.52	ug/l #	91
21) trans-1,2-Dichloroethene	3.17	96	184392	46.63	ug/l	99
22) Diisopropyl ether	3.87	45	664845	53.87	ug/l	99
23) Vinyl Acetate	3.82	43	2579382	251.19	ug/l	100
24) 1,1-Dichloroethane	3.70	63	362254	49.41	ug/l	100
25) 2-Butanone	4.70	43	929982	241.71	ug/l	99
26) 2,2-Dichloropropane	4.59	77	238563	45.12	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	216732	50.52	ug/l	97
28) Bromochloromethane	5.02	49	155068	49.43	ug/l	100
29) Tetrahydrofuran	5.15	42	479496	242.47	ug/l	99
30) Chloroform	5.21	83	358390	51.93	ug/l	91
31) Cyclohexane	5.58	56	1602266	258.44	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	300786	51.97	ug/l	99
36) 1,1-Dichloropropene	5.80	75	263107	48.29	ug/l	100
37) Ethyl Acetate	4.85	43	270476	45.13	ug/l	99
38) Carbon Tetrachloride	5.79	117	259477	50.03	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1681663	261.77	ug/l	99
40) Benzene	6.15	78	806576	49.30	ug/l	99
41) Methacrylonitrile	5.06	41	164816	49.93	ug/l	99
42) 1,2-Dichloroethane	6.20	62	280849	50.77	ug/l	98
43) Isopropyl Acetate	6.46	43	473910	52.54	ug/l	99
44) Trichloroethene	7.21	130	219328	49.02	ug/l	94
45) 1,2-Dichloropropane	7.52	63	208870	49.44	ug/l	99
46) Dibromomethane	7.67	93	138347	50.44	ug/l	100
47) Bromodichloromethane	7.90	83	266724	51.62	ug/l	99
48) Methyl methacrylate	7.78	41	234702	51.19	ug/l	99
49) 1,4-Dioxane	7.76	88	93638	866.95	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1928260	257.92	ug/l	99
52) Toluene	8.79	92	524918	50.77	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	305396	52.29	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	322314	51.18	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	211470	50.06	ug/l	99
56) Ethyl methacrylate	9.18	69	346055	56.46	ug/l	97
57) 1,3-Dichloropropane	9.37	76	364602	51.57	ug/l	99
59) 2-Hexanone	9.50	43	1446905	258.91	ug/l	100
60) Dibromochloromethane	9.59	129	216010	54.84	ug/l	100
61) 1,2-Dibromoethane	9.68	107	226232	53.49	ug/l	99
64) Tetrachloroethene	9.34	164	203065	44.93	ug/l	94
65) Chlorobenzene	10.14	112	575771	48.17	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.23	131	212057	51.60	ug/l	99
67) Ethyl Benzene	10.26	91	2608728	133.31	ug/l	99
68) m/p-Xylenes	10.36	106	1403358	183.54	ug/l	95
69) o-Xylene	10.70	106	400606	55.50	ug/l	100
70) Styrene	10.71	104	651954	55.17	ug/l	97
71) Bromoform	10.86	173	170696	55.54	ug/l	100
73) Isopropylbenzene	11.02	105	1706659	82.69	ug/l	96
74) N-amyl acetate	6.46	43	473910	44.15	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	344462	48.70	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	298192m	48.39	ug/l	
77) Bromobenzene	11.26	156	269142	48.88	ug/l	99
78) n-propylbenzene	11.36	91	2544096	109.77	ug/l	99
79) 2-Chlorotoluene	11.42	91	740920	52.43	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	2263514	134.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	95352	47.16	ug/l	97
82) 4-Chlorotoluene	11.51	91	973326	58.79	ug/l	91
83) tert-Butylbenzene	11.77	119	887542	53.61	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	5235287	309.38	ug/l	96
85) sec-Butylbenzene	11.95	105	1171552	59.96	ug/l	97
86) p-Isopropyltoluene	12.07	119	1085801	61.93	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	514028	50.50	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	517617	49.03	ug/l	99
89) n-Butylbenzene	12.39	91	904043	59.17	ug/l #	87
90) Hexachloroethane	12.60	117	179992	63.23	ug/l	71
91) 1,2-Dichlorobenzene	12.39	146	468663	46.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65629	45.29	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	347677	47.92	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	152879	44.98	ug/l	98
95) Naphthalene	13.83	128	1611882	77.57	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	376680	52.02	ug/l	97

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

