

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
 Data File : VX003989.D
 Acq On : 10 Aug 2018 20:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/13/2018 11:02:12 AM

Quant Time: Aug 11 04:29:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	305451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	455757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	442632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	269847	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	205066	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	5.51	113	169823	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	8.72	98	651861	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	11.14	95	245297	56.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	145165	46.90	ug/l	98
3) Chloromethane	1.32	50	169861	40.33	ug/l	99
4) Vinyl Chloride	1.40	62	192347	45.80	ug/l	98
5) Bromomethane	1.64	94	83230	36.70	ug/l	99
6) Chloroethane	1.71	64	129084	48.04	ug/l	98
7) Trichlorofluoromethane	1.93	101	263556	47.53	ug/l	100
8) Diethyl Ether	2.18	74	118240	47.44	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	161717	46.66	ug/l	99
10) Methyl Iodide	2.51	142	119019	27.60	ug/l	99
11) Tert butyl alcohol	3.06	59	232564	239.02	ug/l	100
12) 1,1-Dichloroethene	2.37	96	153006	46.67	ug/l	99
13) Acrolein	2.29	56	103994	206.77	ug/l	99
14) Allyl chloride	2.73	41	290583	45.98	ug/l	98
15) Acrylonitrile	3.15	53	561033	241.65	ug/l	100
16) Acetone	2.44	43	567595	235.63	ug/l	100
17) Carbon Disulfide	2.57	76	410217	44.20	ug/l	99
18) Methyl Acetate	2.78	43	274437	52.32	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	552768	47.58	ug/l	99
20) Methylene Chloride	2.85	84	184270	48.49	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	168338	45.23	ug/l	100
22) Diisopropyl ether	3.87	45	589679	50.76	ug/l	96
23) Vinyl Acetate	3.82	43	2493051	257.92	ug/l	100
24) 1,1-Dichloroethane	3.70	63	328969	47.67	ug/l	99
25) 2-Butanone	4.70	43	950266	262.38	ug/l	100
26) 2,2-Dichloropropane	4.59	77	204811	41.15	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	197771	48.97	ug/l	97
28) Bromochloromethane	5.02	49	149606	50.66	ug/l	95
29) Tetrahydrofuran	5.16	42	476830	256.15	ug/l	98
30) Chloroform	5.21	83	322570	49.65	ug/l	99
31) Cyclohexane	5.57	56	270564	46.36	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	274890	50.46	ug/l	99
36) 1,1-Dichloropropene	5.80	75	238160	46.66	ug/l	99
37) Ethyl Acetate	4.85	43	283159	50.43	ug/l	99
38) Carbon Tetrachloride	5.79	117	239587	49.31	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	274100	45.54	ug/l	99
40) Benzene	6.15	78	744609	48.58	ug/l	100
41) Methacrylonitrile	5.06	41	156853	50.72	ug/l	99
42) 1,2-Dichloroethane	6.20	62	260503	50.26	ug/l	100
43) Isopropyl Acetate	6.47	43	418480	49.53	ug/l	100
44) Trichloroethene	7.21	130	197152	47.03	ug/l	92
45) 1,2-Dichloropropane	7.52	63	195564	49.41	ug/l	99
46) Dibromomethane	7.67	93	127604	49.66	ug/l	99
47) Bromodichloromethane	7.90	83	246765	50.97	ug/l	99
48) Methyl methacrylate	7.78	41	221153	51.49	ug/l	98
49) 1,4-Dioxane	7.76	88	99909	987.40	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1845973	263.56	ug/l	100
52) Toluene	8.79	92	479773	49.54	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	265174	48.46	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	289868	49.13	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	198493	50.15	ug/l	100
56) Ethyl methacrylate	9.18	69	294605	51.31	ug/l	99
57) 1,3-Dichloropropane	9.37	76	332969	50.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	739265	261.82	ug/l	99
59) 2-Hexanone	9.50	43	1417837	270.82	ug/l	100
60) Dibromochloromethane	9.59	129	200125	54.24	ug/l	100
61) 1,2-Dibromoethane	9.68	107	206602	52.14	ug/l	100
64) Tetrachloroethene	9.34	164	192073	44.11	ug/l	96
65) Chlorobenzene	10.14	112	534831	46.44	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	194093	49.02	ug/l	99
67) Ethyl Benzene	10.26	91	902417	47.86	ug/l	98
68) m/p-Xylenes	10.36	106	720398	97.79	ug/l	97
69) o-Xylene	10.70	106	341609	49.12	ug/l	95
70) Styrene	10.71	104	589429	51.77	ug/l	98
71) Bromoform	10.86	173	158084	47.26	ug/l	98
73) Isopropylbenzene	11.02	105	927478	46.46	ug/l	96
74) N-amyl acetate	6.47	43	418480	40.31	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	319390	46.68	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	275651m	46.25	ug/l	
77) Bromobenzene	11.26	156	243422	45.71	ug/l	99
78) n-propylbenzene	11.36	91	1061300	47.35	ug/l	100
79) 2-Chlorotoluene	11.42	91	629976	46.09	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	752174	46.21	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	85078	39.33	ug/l	99
82) 4-Chlorotoluene	11.51	91	727496	45.43	ug/l	98
83) tert-Butylbenzene	11.77	119	773279	48.29	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	792068	48.39	ug/l	99
85) sec-Butylbenzene	11.94	105	915472	48.44	ug/l	99
86) p-Isopropyltoluene	12.07	119	827495	48.80	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	452899	46.01	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	460610	48.79	ug/l	100
89) n-Butylbenzene	12.39	91	631505	42.73	ug/l	99
90) Hexachloroethane	12.60	117	115195	41.84	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	396542	40.64	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	58331	41.62	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	320069	45.61	ug/l	98
94) Hexachlorobutadiene	13.79	225	145036	46.87	ug/l	100
95) Naphthalene	13.83	128	1026045	51.05	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	340214	48.58	ug/l	99

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

