

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004068.D
 Acq On : 15 Aug 2018 10:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:49:58 PM

Quant Time: Aug 15 15:02:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	422357	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	407222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	209589	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
35) Dibromofluoromethane	5.51	113	162929	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	8.72	98	667886	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.14	95	244830	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	131042	49.49	ug/l	100
3) Chloromethane	1.32	50	168679	51.92	ug/l	98
4) Vinyl Chloride	1.40	62	179446	51.05	ug/l	99
5) Bromomethane	1.64	94	94729	53.19	ug/l	100
6) Chloroethane	1.72	64	124415	53.94	ug/l	97
7) Trichlorofluoromethane	1.93	101	248408	50.37	ug/l	99
8) Diethyl Ether	2.18	74	109902	51.05	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	144404	46.94	ug/l	100
10) Methyl Iodide	2.51	142	154565	47.34	ug/l	99
11) Tert butyl alcohol	3.04	59	204812	265.40	ug/l	99
12) 1,1-Dichloroethene	2.38	96	146499	51.20	ug/l	96
13) Acrolein	2.29	56	126619	242.19	ug/l	100
14) Allyl chloride	2.73	41	256726	47.15	ug/l	97
15) Acrylonitrile	3.14	53	496485	258.03	ug/l	99
16) Acetone	2.43	43	516490	259.22	ug/l	99
17) Carbon Disulfide	2.57	76	405850	50.01	ug/l	99
18) Methyl Acetate	2.77	43	192852	43.56	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	513345	50.92	ug/l	99
20) Methylene Chloride	2.86	84	177193	54.46	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	161732	49.77	ug/l	100
22) Diisopropyl ether	3.86	45	528404	49.53	ug/l	93
23) Vinyl Acetate	3.82	43	1878165	214.34	ug/l	100
24) 1,1-Dichloroethane	3.70	63	310997	51.47	ug/l	100
25) 2-Butanone	4.70	43	833400	257.07	ug/l	100
26) 1,2-Dichloropropane	4.59	77	117067	24.37	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	185818	50.85	ug/l	94
28) Bromochloromethane	5.02	49	150495	54.28	ug/l	95
29) Tetrahydrofuran	5.15	42	411375	248.37	ug/l	99
30) Chloroform	5.22	83	303772	51.51	ug/l	98
31) Cyclohexane	5.58	56	248155	46.85	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	253094	51.36	ug/l	99
36) 1,1-Dichloropropene	5.80	75	226785	47.19	ug/l	99
37) Ethyl Acetate	4.85	43	210658	40.25	ug/l	100
38) Carbon Tetrachloride	5.79	117	239124	51.21	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	240784	44.16	ug/l	100
40) Benzene	6.15	78	724340	50.19	ug/l	100
41) Methacrylonitrile	5.06	41	137110	46.78	ug/l	99
42) 1,2-Dichloroethane	6.20	62	254289	50.34	ug/l	99
43) Isopropyl Acetate	6.46	43	342176	44.35	ug/l	99
44) Trichloroethene	7.21	130	213623	54.53	ug/l	95
45) 1,2-Dichloropropane	7.52	63	186175	50.39	ug/l	99
46) Dibromomethane	7.67	93	122562	50.76	ug/l	98
47) Bromodichloromethane	7.90	83	235189	51.43	ug/l	99
48) Methyl methacrylate	7.78	41	201890	51.99	ug/l	98
49) 1,4-Dioxane	7.76	88	92541	1058.43	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1669324	263.90	ug/l	100
52) Toluene	8.79	92	465039	50.95	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	231662	46.90	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	243769	44.56	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	188472	50.00	ug/l	99
56) Ethyl methacrylate	9.18	69	269931	52.67	ug/l	99
57) 1,3-Dichloropropane	9.37	76	319188	51.04	ug/l	100
59) 2-Hexanone	9.50	43	1281336	269.15	ug/l	99
60) Dibromochloromethane	9.59	129	189540	52.26	ug/l	99
61) 1,2-Dibromoethane	9.67	107	195839	50.97	ug/l	100
64) Tetrachloroethene	9.34	164	188776	48.91	ug/l	96
65) Chlorobenzene	10.14	112	498531	47.39	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	173078	48.24	ug/l	96
67) Ethyl Benzene	10.26	91	861129	51.70	ug/l	95
68) m/p-Xylenes	10.36	106	672045	103.03	ug/l	98
69) o-Xylene	10.70	106	321700	51.61	ug/l	96
70) Styrene	10.71	104	546868	52.13	ug/l	97
71) Bromoform	10.86	173	146762	51.59	ug/l	99
73) Isopropylbenzene	11.02	105	866797	50.71	ug/l	96
74) N-amyl acetate	6.46	43	342176	42.56	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	293744	49.21	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	257757m	50.89	ug/l	
77) Bromobenzene	11.26	156	233771	49.62	ug/l	98
78) n-propylbenzene	11.36	91	1000327	52.30	ug/l	100
79) 2-Chlorotoluene	11.42	91	595094	51.05	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	704661	50.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	66740	40.79	ug/l	98
82) 4-Chlorotoluene	11.51	91	680632	49.40	ug/l	98
83) tert-Butylbenzene	11.77	119	732808	51.93	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	750053	51.75	ug/l	100
85) sec-Butylbenzene	11.94	105	824991	49.95	ug/l	99
86) p-Isopropyltoluene	12.07	119	764485	51.13	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	425907	47.40	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	435182	47.05	ug/l	99
89) n-Butylbenzene	12.39	91	579242	49.17	ug/l	98
90) Hexachloroethane	12.60	117	108316	48.42	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	401592	49.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52462	50.01	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	259916	46.92	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	111463	40.14	ug/l	99
95) Naphthalene	13.83	128	862246	48.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	289076	47.85	ug/l	99

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

