

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004195.D
 Acq On : 22 Aug 2018 12:34
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:40:04 AM

Quant Time: Aug 23 05:01:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 04:40:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	318672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	302248	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	599394	144.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.62%	
35) Dibromofluoromethane	5.50	113	508270	144.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.10%	
50) Toluene-d8	8.72	98	1971014	148.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.00%	
62) 4-Bromofluorobenzene	11.14	95	801735	161.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	590730	160.04	ug/l	100
3) Chloromethane	1.32	50	624749	145.20	ug/l	100
4) Vinyl Chloride	1.40	62	621027	148.73	ug/l	100
5) Bromomethane	1.63	94	298288	118.00	ug/l	99
6) Chloroethane	1.70	64	326529	101.79	ug/l	95
7) Trichlorofluoromethane	1.92	101	838244	146.50	ug/l	94
8) Diethyl Ether	2.18	74	368358	150.34	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	510680	142.49	ug/l	100
10) Methyl Iodide	2.50	142	657176	178.36	ug/l	99
11) Tert butyl alcohol	3.10	59	669620	756.32	ug/l	99
12) 1,1-Dichloroethene	2.36	96	493967	146.32	ug/l	99
13) Acrolein	2.29	56	155550	728.74	ug/l	99
14) Allyl chloride	2.72	41	930550	150.03	ug/l	99
15) Acrylonitrile	3.15	53	1593932	726.95	ug/l	100
16) Acetone	2.45	43	1251604	634.28	ug/l	100
17) Carbon Disulfide	2.56	76	1441799	145.25	ug/l	99
18) Methyl Acetate	2.78	43	910151	147.67	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1644763	147.84	ug/l	100
20) Methylene Chloride	2.85	84	556326	139.14	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	531031	142.11	ug/l	92
22) Diisopropyl ether	3.87	45	1714223	148.02	ug/l	93
23) Vinyl Acetate	3.82	43	7050131	751.11	ug/l	98
24) 1,1-Dichloroethane	3.69	63	979759	145.17	ug/l	99
25) 2-Butanone	4.71	43	2091333	678.53	ug/l	99
26) 2,2-Dichloropropane	4.58	77	768665	145.21	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	620285	146.36	ug/l	100
28) Bromochloromethane	5.02	49	412290	137.98	ug/l	100
29) Tetrahydrofuran	5.16	42	1334166	747.63	ug/l	100
30) Chloroform	5.21	83	966526	142.83	ug/l	97
31) Cyclohexane	5.57	56	901372	154.79	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	857263	151.93	ug/l	99
36) 1,1-Dichloropropene	5.80	75	775154	145.87	ug/l	99
37) Ethyl Acetate	4.87	43	781901	149.62	ug/l	100
38) Carbon Tetrachloride	5.78	117	758112	151.66	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	943944	155.59	ug/l	99
40) Benzene	6.14	78	2323284	146.32	ug/l	99
41) Methacrylonitrile	5.06	41	454563	150.06	ug/l	99
42) 1,2-Dichloroethane	6.20	62	775104	143.11	ug/l	100
43) Isopropyl Acetate	6.46	43	1306386	162.68	ug/l	99
44) Trichloroethene	7.21	130	640834	145.80	ug/l	100
45) 1,2-Dichloropropane	7.52	63	594549	149.61	ug/l	99
46) Dibromomethane	7.67	93	388437	146.80	ug/l	99
47) Bromodichloromethane	7.90	83	772278	156.85	ug/l	100
48) Methyl methacrylate	7.78	41	700194	162.95	ug/l	99
49) 1,4-Dioxane	7.76	88	306253	3139.18	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	4374945	749.82	ug/l	98
52) Toluene	8.79	92	1507589	151.68	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	920889	169.34	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	971389	163.99	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	602673	150.21	ug/l	99
56) Ethyl methacrylate	9.18	69	977055	178.89	ug/l	98
57) 1,3-Dichloropropane	9.37	76	1017343	150.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	2374591	848.50	ug/l	100
59) 2-Hexanone	9.50	43	3417464	767.74	ug/l	98
60) Dibromochloromethane	9.59	129	648116	165.80	ug/l	100
61) 1,2-Dibromoethane	9.68	107	639106	153.92	ug/l	100
64) Tetrachloroethene	9.34	164	597262	139.30	ug/l	99
65) Chlorobenzene	10.14	112	1562164	143.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	587475	156.37	ug/l	98
67) Ethyl Benzene	10.26	91	2701645	152.72	ug/l	97
68) m/p-Xylenes	10.36	106	2162145	312.57	ug/l	99
69) o-Xylene	10.70	106	1060997	162.15	ug/l	94
70) Styrene	10.71	104	1744515	164.66	ug/l	97
71) Bromoform	10.86	173	545894	180.25	ug/l	100
73) Isopropylbenzene	11.02	105	2947432	148.48	ug/l	99
74) N-amyl acetate	10.90	43	1271463	166.35	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	1006442	144.88	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	880388m	147.53	ug/l	
77) Bromobenzene	11.26	156	809207	145.32	ug/l	98
78) n-propylbenzene	11.36	91	3419071	149.75	ug/l	99
79) 2-Chlorotoluene	11.42	91	2037557	144.99	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2545064	154.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	338337	178.58	ug/l	93
82) 4-Chlorotoluene	11.51	91	2444536	147.83	ug/l	99
83) tert-Butylbenzene	11.77	119	2589528	156.56	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	2611969	154.78	ug/l	99
85) sec-Butylbenzene	11.95	105	2997546	152.65	ug/l	99
86) p-Isopropyltoluene	12.07	119	2752002	156.38	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1517738	144.76	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1526128	138.42	ug/l	98
89) n-Butylbenzene	12.39	91	2295955	160.44	ug/l	99
90) Hexachloroethane	12.60	117	406976	165.45	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1403459	146.46	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	193714	158.32	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1055271	151.36	ug/l	98
94) Hexachlorobutadiene	13.79	225	484455	141.54	ug/l	98
95) Naphthalene	13.83	128	3293403	167.01	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1142134	154.75	ug/l	99

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

