

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004739.D
 Acq On : 26 Sep 2018 22:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 12:50:35 PM

Quant Time: Sep 27 05:27:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245436	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	338776	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201128	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	184481	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
35) Dibromofluoromethane	5.50	113	147060	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
50) Toluene-d8	8.72	98	514682	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
62) 4-Bromofluorobenzene	11.14	95	192118	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	188663	56.377	ug/l	97
3) Chloromethane	1.32	50	211201	52.019	ug/l	97
4) Vinyl Chloride	1.40	62	198231	52.057	ug/l	100
5) Bromomethane	1.64	94	120376	53.309	ug/l	100
6) Chloroethane	1.71	64	127575	62.035	ug/l	99
7) Trichlorofluoromethane	1.92	101	240061	50.923	ug/l	95
8) Diethyl Ether	2.18	74	108992	53.219	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	140391	52.281	ug/l	97
10) Methyl Iodide	2.51	142	198531	55.249	ug/l	99
11) Tert butyl alcohol	3.08	59	285220	290.944	ug/l	99
12) 1,1-Dichloroethene	2.37	96	135287	50.871	ug/l	97
13) Acrolein	2.29	56	188686	270.518	ug/l	99
14) Allyl chloride	2.72	41	307520	52.998	ug/l	94
15) Acrylonitrile	3.15	53	613322	284.199	ug/l	98
16) Acetone	2.45	43	570617	278.771	ug/l	92
17) Carbon Disulfide	2.56	76	403204	50.456	ug/l	100
18) Methyl Acetate	2.78	43	312823	60.320	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	522785	56.991	ug/l	93
20) Methylene Chloride	2.85	84	174388	58.743	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	153635	52.774	ug/l	93
22) Diisopropyl ether	3.87	45	582757	59.642	ug/l	97
23) Vinyl Acetate	3.82	43	2748771	307.333	ug/l #	94
24) 1,1-Dichloroethane	3.69	63	285458	48.976	ug/l	99
25) 2-Butanone	4.70	43	912798	302.532	ug/l	90
26) 2,2-Dichloropropane	4.58	77	181077	44.614	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	171465	52.723	ug/l	97
28) Bromochloromethane	5.02	49	148570	54.130	ug/l	90
29) Tetrahydrofuran	5.16	42	578054	308.247	ug/l	95
30) Chloroform	5.21	83	294339	53.434	ug/l	99
31) Cyclohexane	5.57	56	261710	58.667	ug/l #	85
32) 1,1,1-Trichloroethane	5.49	97	236915	52.663	ug/l	100
36) 1,1-Dichloropropene	5.80	75	205752	52.523	ug/l	98
37) Ethyl Acetate	4.85	43	325675	62.631	ug/l	96
38) Carbon Tetrachloride	5.78	117	202439	49.162	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	217232	54.307	ug/l	91
40) Benzene	6.14	78	643074	52.436	ug/l	99
41) Methacrylonitrile	5.06	41	168818	58.541	ug/l	95
42) 1,2-Dichloroethane	6.20	62	240084	55.377	ug/l	97
43) Isopropyl Acetate	6.46	43	453066	60.367	ug/l	96
44) Trichloroethene	7.21	130	154932	51.389	ug/l	96
45) 1,2-Dichloropropane	7.52	63	164991	54.860	ug/l	98
46) Dibromomethane	7.66	93	106747	56.477	ug/l	97
47) Bromodichloromethane	7.90	83	201918	57.059	ug/l	100
48) Methyl methacrylate	7.78	41	218394	64.110	ug/l	93
49) 1,4-Dioxane	7.76	88	104257	1231.896	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1497737	316.938	ug/l	95
52) Toluene	8.79	92	371720	55.161	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	224036	56.023	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	245716	58.663	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	160306	54.307	ug/l	97
56) Ethyl methacrylate	9.18	69	254700	52.991	ug/l	94
57) 1,3-Dichloropropane	9.37	76	272641	55.496	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	721267	281.667	ug/l	94
59) 2-Hexanone	9.50	43	1190537	302.322	ug/l	93
60) Dibromochloromethane	9.59	129	164637	55.770	ug/l	99
61) 1,2-Dibromoethane	9.68	107	168931	53.438	ug/l	98
64) Tetrachloroethene	9.34	164	155738	48.369	ug/l	97
65) Chlorobenzene	10.14	112	415684	49.552	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	151315	51.308	ug/l	99
67) Ethyl Benzene	10.26	91	697908	52.402	ug/l	99
68) m/p-Xylenes	10.36	106	542330	104.206	ug/l	94
69) o-Xylene	10.70	106	262095	54.829	ug/l	96
70) Styrene	10.71	104	451234	50.451	ug/l	97
71) Bromoform	10.86	173	135053	53.490	ug/l #	99
73) Isopropylbenzene	11.02	105	688975	54.347	ug/l	99
74) N-amyl acetate	10.90	43	364962	52.294	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	268365	52.003	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	242650m	53.826	ug/l	
77) Bromobenzene	11.26	156	194264	52.757	ug/l	98
78) n-propylbenzene	11.36	91	791276	54.399	ug/l	100
79) 2-Chlorotoluene	11.42	91	490064	54.051	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	595546	51.260	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	77005	46.724	ug/l	100
82) 4-Chlorotoluene	11.51	91	576263	53.998	ug/l	99
83) tert-Butylbenzene	11.77	119	566750	54.299	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	621174	51.847	ug/l	98
85) sec-Butylbenzene	11.94	105	682240	53.663	ug/l	99
86) p-Isopropyltoluene	12.07	119	617618	53.620	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	349656	50.853	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	355670	50.110	ug/l	98
89) n-Butylbenzene	12.39	91	552378	52.804	ug/l	97
90) Hexachloroethane	12.60	117	94891	49.479	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	358052	49.830	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	61786	54.529	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	262677	52.113	ug/l	99
94) Hexachlorobutadiene	13.79	225	122642	46.921	ug/l	98
95) Naphthalene	13.83	128	883947	52.796	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	275354	52.882	ug/l	99

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

