

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005853.D
 Acq On : 09 Nov 2018 10:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:11:36 AM

Quant Time: Nov 12 00:08:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	155951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	203661	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	172456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99586	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	85830	47.87	ug/l	0.00
Spiked Amount						
			Recovery	=	95.74%	
35) Dibromofluoromethane	5.49	113	72573	52.39	ug/l	-0.01
Spiked Amount						
			Recovery	=	104.78%	
50) Toluene-d8	8.71	98	230483	50.05	ug/l	0.00
Spiked Amount						
			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	86926	52.50	ug/l	0.00
Spiked Amount						
			Recovery	=	105.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	63035	44.830	ug/l	97
3) Chloromethane	1.32	50	78601	42.595	ug/l	99
4) Vinyl Chloride	1.41	62	80610	43.514	ug/l	98
5) Bromomethane	1.64	94	45587	40.212	ug/l	93
6) Chloroethane	1.72	64	45838	41.470	ug/l	97
7) Trichlorofluoromethane	1.93	101	106724	43.402	ug/l	98
8) Diethyl Ether	2.18	74	45376	47.094	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	66791	47.228	ug/l	98
10) Methyl Iodide	2.51	142	72577	42.343	ug/l	99
11) Tert butyl alcohol	3.07	59	96678	188.239	ug/l	100
12) 1,1-Dichloroethene	2.37	96	59834	43.407	ug/l	85
13) Acrolein	2.29	56	42333	178.780	ug/l	98
14) Allyl chloride	2.73	41	134267	43.613	ug/l	97
15) Acrylonitrile	3.15	53	229409	215.537	ug/l	98
16) Acetone	2.44	43	221482	229.439	ug/l	90
17) Carbon Disulfide	2.57	76	180180	43.822	ug/l	97
18) Methyl Acetate	2.77	43	113157	43.550	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	215831	45.876	ug/l	95
20) Methylene Chloride	2.86	84	68649	43.293	ug/l	86
21) trans-1,2-Dichloroethene	3.17	96	66584	45.797	ug/l	97
22) Diisopropyl ether	3.86	45	245323	45.489	ug/l	# 87
23) Vinyl Acetate	3.82	43	1089307	235.574	ug/l	97
24) 1,1-Dichloroethane	3.70	63	126881	44.098	ug/l	98
25) 2-Butanone	4.69	43	331103	218.170	ug/l	98
26) 2,2-Dichloropropane	4.58	77	104403	49.465	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	73027	45.489	ug/l	99
28) Bromochloromethane	5.01	49	54978	42.754	ug/l	100
29) Tetrahydrofuran	5.15	42	207970	213.426	ug/l	100
30) Chloroform	5.21	83	121962	43.936	ug/l	92
31) Cyclohexane	5.58	56	116019	46.452	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	103244	44.590	ug/l	100
36) 1,1-Dichloropropene	5.79	75	93279	47.510	ug/l	98
37) Ethyl Acetate	4.85	43	120029	46.490	ug/l	100
38) Carbon Tetrachloride	5.77	117	90639	46.114	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107027	53.785	ug/l #	78
40) Benzene	6.14	78	248521	43.421	ug/l	100
41) Methacrylonitrile	5.05	41	65647	47.056	ug/l	99
42) 1,2-Dichloroethane	6.19	62	89433	43.625	ug/l	100
43) Isopropyl Acetate	6.46	43	166490	44.503	ug/l	98
44) Trichloroethene	7.21	130	67898	46.712	ug/l	91
45) 1,2-Dichloropropane	7.51	63	62210	44.781	ug/l	100
46) Dibromomethane	7.66	93	39134	44.892	ug/l	99
47) Bromodichloromethane	7.90	83	77685	47.154	ug/l	97
48) Methyl methacrylate	7.77	41	78895	46.966	ug/l	99
49) 1,4-Dioxane	7.75	88	31477	869.581	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	512282	217.272	ug/l	100
52) Toluene	8.79	92	141829	44.338	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	88215	45.374	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	95969	48.430	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	58397	40.962	ug/l	96
56) Ethyl methacrylate	9.18	69	91460	42.876	ug/l	98
57) 1,3-Dichloropropane	9.37	76	98690	41.193	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	238498	206.670	ug/l	99
59) 2-Hexanone	9.49	43	424548	204.278	ug/l	100
60) Dibromochloromethane	9.58	129	63539	41.239	ug/l	99
61) 1,2-Dibromoethane	9.67	107	60714	38.513	ug/l	99
64) Tetrachloroethene	9.34	164	64681	44.052	ug/l	97
65) Chlorobenzene	10.14	112	161296	46.687	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	59320	49.388	ug/l	99
67) Ethyl Benzene	10.25	91	280983	50.720	ug/l	100
68) m/p-Xylenes	10.36	106	217309	102.837	ug/l	99
69) o-Xylene	10.70	106	103014	54.365	ug/l	99
70) Styrene	10.71	104	175103	56.018	ug/l	99
71) Bromoform	10.86	173	52164	51.808	ug/l #	99
73) Isopropylbenzene	11.02	105	284672	49.431	ug/l	99
74) N-amyl acetate	10.90	43	139746	43.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	93718	44.336	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	93479m	46.099	ug/l	
77) Bromobenzene	11.26	156	74909	46.149	ug/l	99
78) n-propylbenzene	11.36	91	337206	49.683	ug/l	99
79) 2-Chlorotoluene	11.42	91	195489	47.653	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	245848	50.235	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	30788	48.391	ug/l	97
82) 4-Chlorotoluene	11.51	91	235503	48.710	ug/l	100
83) tert-Butylbenzene	11.77	119	238948	48.262	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	251765	46.608	ug/l	100
85) sec-Butylbenzene	11.94	105	292641	48.335	ug/l	100
86) p-Isopropyltoluene	12.07	119	266998	49.787	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	141935	45.562	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	143448	44.982	ug/l	99
89) n-Butylbenzene	12.39	91	242526	48.795	ug/l	100
90) Hexachloroethane	12.60	117	43710	48.818	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	140575	45.046	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23753	46.049	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	107125	48.762	ug/l	100
94) Hexachlorobutadiene	13.78	225	54658	47.363	ug/l	99
95) Naphthalene	13.83	128	318854	44.633	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	107151	47.875	ug/l	99

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

