

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003902.D
 Acq On : 08 Aug 2018 01:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:06:07 PM

Quant Time: Aug 08 05:00:11 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	328238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	484845	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	463352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	259769	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	217943	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	5.50	113	181986	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	8.72	98	708364	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.14	95	262310	56.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.50%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	168362	50.61	ug/l	100
3) Chloromethane	1.32	50	212095	46.87	ug/l	100
4) Vinyl Chloride	1.40	62	221802	49.14	ug/l	99
5) Bromomethane	1.64	94	124462	52.99	ug/l	100
6) Chloroethane	1.72	64	167170	57.89	ug/l	97
7) Trichlorofluoromethane	1.92	101	295770	49.64	ug/l	99
8) Diethyl Ether	2.19	74	132177	49.35	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	180550	48.48	ug/l	99
10) Methyl Iodide	2.51	142	219310	47.33	ug/l	99
11) Tert butyl alcohol	3.08	59	231533	221.45	ug/l	99
12) 1,1-Dichloroethene	2.37	96	173133	49.14	ug/l	99
13) Acrolein	2.29	56	112185	207.60	ug/l	99
14) Allyl chloride	2.73	41	327224	48.18	ug/l	100
15) Acrylonitrile	3.15	53	612644	245.56	ug/l	100
16) Acetone	2.45	43	612070	236.45	ug/l	99
17) Carbon Disulfide	2.57	76	472621	47.36	ug/l	99
18) Methyl Acetate	2.78	43	283656	50.33	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	622189	49.84	ug/l	100
20) Methylene Chloride	2.86	84	205417	50.37	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	190524	47.64	ug/l	97
22) Diisopropyl ether	3.87	45	616307	49.37	ug/l	99
23) Vinyl Acetate	3.82	43	2588721	249.23	ug/l	99
24) 1,1-Dichloroethane	3.70	63	371760	50.13	ug/l	100
25) 2-Butanone	4.71	43	955895	245.61	ug/l	98
26) 2,2-Dichloropropane	4.58	77	180552	33.76	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	213009	49.08	ug/l	95
28) Bromochloromethane	5.02	49	160121	50.46	ug/l	100
29) Tetrahydrofuran	5.17	42	492083	246.00	ug/l	100
30) Chloroform	5.21	83	353699	50.66	ug/l	98
31) Cyclohexane	5.57	56	313983	50.07	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	299339	51.13	ug/l	99
36) 1,1-Dichloropropene	5.80	75	265852	48.96	ug/l	99
37) Ethyl Acetate	4.87	43	293775	49.18	ug/l	100
38) Carbon Tetrachloride	5.78	117	259134	50.14	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	314865	49.18	ug/l	99
40) Benzene	6.15	78	814249	49.94	ug/l	100
41) Methacrylonitrile	5.06	41	162666	49.45	ug/l	99
42) 1,2-Dichloroethane	6.20	62	277797	50.38	ug/l	100
43) Isopropyl Acetate	6.47	43	449290	49.98	ug/l	100
44) Trichloroethene	7.21	130	214999	48.21	ug/l	94
45) 1,2-Dichloropropane	7.52	63	207614	49.31	ug/l	99
46) Dibromomethane	7.67	93	134338	49.14	ug/l	99
47) Bromodichloromethane	7.90	83	261432	50.76	ug/l	99
48) Methyl methacrylate	7.78	41	236347	51.72	ug/l	99
49) 1,4-Dioxane	7.76	88	96166	893.39	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1928777	258.86	ug/l	100
52) Toluene	8.79	92	526280	51.08	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	280603	48.21	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	305716	48.71	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	211488	50.23	ug/l	99
56) Ethyl methacrylate	9.18	69	321916	52.70	ug/l	100
57) 1,3-Dichloropropane	9.37	76	351643	49.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	792849	263.95	ug/l	99
59) 2-Hexanone	9.50	43	1466126	263.24	ug/l	100
60) Dibromochloromethane	9.59	129	211086	53.77	ug/l	99
61) 1,2-Dibromoethane	9.68	107	220366	52.28	ug/l	100
64) Tetrachloroethene	9.34	164	210718	46.23	ug/l	93
65) Chlorobenzene	10.14	112	578012	47.94	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	205431	49.56	ug/l	99
67) Ethyl Benzene	10.26	91	990166	50.17	ug/l	99
68) m/p-Xylenes	10.36	106	770032	99.85	ug/l	98
69) o-Xylene	10.70	106	374920	51.50	ug/l	97
70) Styrene	10.71	104	630612	52.91	ug/l	98
71) Bromoform	10.86	173	163429	46.71	ug/l	99
73) Isopropylbenzene	11.02	105	996446	51.85	ug/l	96
74) N-amyl acetate	6.47	43	449290	44.96	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	330458	50.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	292643m	51.00	ug/l	
77) Bromobenzene	11.26	156	262327	51.17	ug/l	99
78) n-propylbenzene	11.36	91	1145549	53.09	ug/l	100
79) 2-Chlorotoluene	11.42	91	681710	51.81	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	836104	53.36	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	86885	41.58	ug/l	99
82) 4-Chlorotoluene	11.51	91	793446	51.48	ug/l	100
83) tert-Butylbenzene	11.77	119	838153	54.37	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	863855	54.83	ug/l	99
85) sec-Butylbenzene	11.95	105	988258	54.32	ug/l	99
86) p-Isopropyltoluene	12.07	119	853017	52.25	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	460925	48.64	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	465134	51.20	ug/l	99
89) n-Butylbenzene	12.39	91	708685	49.82	ug/l	99
90) Hexachloroethane	12.60	117	122632	46.27	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	436863	46.51	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	60137	44.57	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	335186	49.62	ug/l	98
94) Hexachlorobutadiene	13.79	225	154416	51.79	ug/l	99
95) Naphthalene	13.83	128	1087789	56.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	357756	53.07	ug/l	100

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

