

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005890.D
 Acq On : 10 Nov 2018 04:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:12:18 AM

Quant Time: Nov 12 02:59:57 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	139173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	188450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	165833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	91406	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	76319	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	5.51	113	62181	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	8.71	98	211638	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.14	95	79145	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	57360	45.712	ug/l	98
3) Chloromethane	1.32	50	71338	43.320	ug/l	100
4) Vinyl Chloride	1.41	62	73509	44.465	ug/l	97
5) Bromomethane	1.64	94	39738	39.279	ug/l	96
6) Chloroethane	1.71	64	45567	46.195	ug/l	96
7) Trichlorofluoromethane	1.92	101	99640	45.406	ug/l	93
8) Diethyl Ether	2.18	74	43054	50.071	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57183	45.308	ug/l	98
10) Methyl Iodide	2.51	142	75146	49.127	ug/l	97
11) Tert butyl alcohol	3.07	59	111852	244.039	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58955	47.926	ug/l	91
13) Acrolein	2.29	56	39469	185.922	ug/l	98
14) Allyl chloride	2.72	41	125591	45.713	ug/l	96
15) Acrylonitrile	3.15	53	243501	256.357	ug/l	95
16) Acetone	2.45	43	198632	230.575	ug/l	92
17) Carbon Disulfide	2.57	76	162073	44.171	ug/l	98
18) Methyl Acetate	2.78	43	118733	51.474	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	216054	51.459	ug/l	95
20) Methylene Chloride	2.85	84	65950	46.605	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	64343	49.591	ug/l	86
22) Diisopropyl ether	3.86	45	234246	48.671	ug/l	# 90
23) Vinyl Acetate	3.82	43	1008579	244.410	ug/l	99
24) 1,1-Dichloroethane	3.69	63	123724	48.184	ug/l	98
25) 2-Butanone	4.70	43	325606	240.413	ug/l	99
26) 2,2-Dichloropropane	4.59	77	69692	37.000	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	71518	49.919	ug/l	97
28) Bromochloromethane	5.02	49	57622	50.212	ug/l	95
29) Tetrahydrofuran	5.15	42	224255	257.882	ug/l	99
30) Chloroform	5.21	83	115596	46.662	ug/l	99
31) Cyclohexane	5.57	56	120577	54.097	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	100272	48.527	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90426	49.775	ug/l	97
37) Ethyl Acetate	4.85	43	124753	52.220	ug/l	99
38) Carbon Tetrachloride	5.79	117	87744	48.245	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	96825	52.586	ug/l	90
40) Benzene	6.14	78	287897	54.360	ug/l	95
41) Methacrylonitrile	5.06	41	69625	53.936	ug/l	98
42) 1,2-Dichloroethane	6.20	62	94586	49.863	ug/l	99
43) Isopropyl Acetate	6.46	43	182967	52.855	ug/l	97
44) Trichloroethene	7.21	130	68278	50.765	ug/l	97
45) 1,2-Dichloropropane	7.51	63	68228	53.077	ug/l	95
46) Dibromomethane	7.66	93	41190	51.064	ug/l	99
47) Bromodichloromethane	7.90	83	79583	52.205	ug/l	98
48) Methyl methacrylate	7.77	41	88076	56.663	ug/l	98
49) 1,4-Dioxane	7.76	88	37933	1132.519	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	568439	260.549	ug/l	100
52) Toluene	8.79	92	146355	49.445	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	86686	48.186	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	93029	50.736	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	61720	46.787	ug/l	97
56) Ethyl methacrylate	9.18	69	113418	57.462	ug/l	95
57) 1,3-Dichloropropane	9.37	76	102812	46.377	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	279294	259.358	ug/l	99
59) 2-Hexanone	9.49	43	442081	229.883	ug/l	98
60) Dibromochloromethane	9.59	129	62167	43.605	ug/l	99
61) 1,2-Dibromoethane	9.67	107	66390	45.513	ug/l	99
64) Tetrachloroethene	9.34	164	70226	49.739	ug/l	99
65) Chlorobenzene	10.14	112	164786	49.602	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	59227	51.280	ug/l	99
67) Ethyl Benzene	10.25	91	289598	54.362	ug/l	99
68) m/p-Xylenes	10.36	106	220780	108.652	ug/l	99
69) o-Xylene	10.70	106	108132	59.345	ug/l	99
70) Styrene	10.71	104	180725	60.126	ug/l	100
71) Bromoform	10.86	173	51622	53.317	ug/l #	98
73) Isopropylbenzene	11.02	105	294241	55.665	ug/l	100
74) N-amyl acetate	10.90	43	149505	50.398	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	97331	50.166	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	95258m	51.180	ug/l	
77) Bromobenzene	11.26	156	76784	51.537	ug/l	99
78) n-propylbenzene	11.36	91	336974	54.092	ug/l	100
79) 2-Chlorotoluene	11.42	91	197971	52.576	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	247727	55.149	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	27347	46.829	ug/l	96
82) 4-Chlorotoluene	11.51	91	236434	53.279	ug/l	99
83) tert-Butylbenzene	11.77	119	244853	53.881	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	259057	52.264	ug/l	100
85) sec-Butylbenzene	11.94	105	299958	53.978	ug/l	100
86) p-Isopropyltoluene	12.07	119	269033	54.655	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	142298	49.767	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	144388	49.328	ug/l	100
89) n-Butylbenzene	12.39	91	237911	52.150	ug/l	99
90) Hexachloroethane	12.60	117	40498	49.279	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	142622	49.792	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	25106	53.028	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	110719	54.908	ug/l	100
94) Hexachlorobutadiene	13.79	225	50299	47.487	ug/l	100
95) Naphthalene	13.83	128	354061	53.750	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110072	53.581	ug/l	100

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

