

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\
 Data File : VX001573.D
 Acq On : 09 May 2018 23:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:52:00 PM

Quant Time: May 10 05:07:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	223522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	290283	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	276831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	203974	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	159578	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	5.51	113	131221	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	8.72	98	470911	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	180175	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	154572	51.37	ug/l	99
3) Chloromethane	1.32	50	137371	46.88	ug/l	99
4) Vinyl Chloride	1.40	62	153673	50.25	ug/l	99
5) Bromomethane	1.64	94	60286	42.55	ug/l	99
6) Chloroethane	1.72	64	110405	54.61	ug/l	99
7) Trichlorofluoromethane	1.92	101	245329	53.30	ug/l	98
8) Diethyl Ether	2.19	74	96071	53.25	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	140116	51.93	ug/l	98
10) Methyl Iodide	2.51	142	156329	40.15	ug/l	100
11) Tert butyl alcohol	3.09	59	185373	273.67	ug/l	99
12) 1,1-Dichloroethene	2.37	96	130553	52.78	ug/l	98
13) Acrolein	2.30	56	31246	233.22	ug/l	98
14) Allyl chloride	2.73	41	245364	53.20	ug/l	99
15) Acrylonitrile	3.15	53	420549	274.75	ug/l	99
16) Acetone	2.45	43	370655	254.08	ug/l	99
17) Carbon Disulfide	2.57	76	319195	50.71	ug/l	98
18) Methyl Acetate	2.78	43	227696	59.41	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	469443	54.51	ug/l	99
20) Methylene Chloride	2.86	84	152252	52.71	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	140752	50.99	ug/l	95
22) Diisopropyl ether	3.88	45	467948	54.31	ug/l	98
23) Vinyl Acetate	3.83	43	1945792	270.97	ug/l	100
24) 1,1-Dichloroethane	3.70	63	241832	50.24	ug/l	99
25) 2-Butanone	4.72	43	564495	267.69	ug/l	98
26) 2,2-Dichloropropane	4.59	77	162480	43.71	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	156537	53.25	ug/l	96
28) Bromochloromethane	5.03	49	109808	52.62	ug/l	99
29) Tetrahydrofuran	5.18	42	365229	270.70	ug/l	99
30) Chloroform	5.22	83	276468	55.76	ug/l	97
31) Cyclohexane	5.58	56	215776	52.20	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	245660	56.69	ug/l	100
36) 1,1-Dichloropropene	5.80	75	194583	52.70	ug/l	100
37) Ethyl Acetate	4.87	43	217126	53.64	ug/l	100
38) Carbon Tetrachloride	5.79	117	219608	55.76	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	224174	51.35	ug/l	98
40) Benzene	6.15	78	585637	54.30	ug/l	99
41) Methacrylonitrile	5.07	41	125802	54.32	ug/l	99
42) 1,2-Dichloroethane	6.20	62	227903	54.98	ug/l	100
43) Isopropyl Acetate	6.48	43	343869	55.34	ug/l	100
44) Trichloroethene	7.22	130	177156	53.74	ug/l	97
45) 1,2-Dichloropropane	7.53	63	149825	55.72	ug/l	98
46) Dibromomethane	7.67	93	103704	54.48	ug/l	100
47) Bromodichloromethane	7.90	83	204244	57.98	ug/l	99
48) Methyl methacrylate	7.79	41	187903	55.54	ug/l	100
49) 1,4-Dioxane	7.76	88	80510	1101.39	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1181082	286.04	ug/l	100
52) Toluene	8.79	92	386005	54.74	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	225049	56.53	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	206463	50.15	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	157689	55.50	ug/l	98
56) Ethyl methacrylate	9.19	69	230163	56.20	ug/l	99
57) 1,3-Dichloropropane	9.38	76	259721	55.29	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	593604	295.51	ug/l	99
59) 2-Hexanone	9.51	43	889720	281.39	ug/l	100
60) Dibromochloromethane	9.59	129	169451	58.24	ug/l	98
61) 1,2-Dibromoethane	9.68	107	167367	56.10	ug/l	99
64) Tetrachloroethene	9.34	164	213410	55.31	ug/l	98
65) Chlorobenzene	10.14	112	441296	54.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	166431	57.31	ug/l	99
67) Ethyl Benzene	10.26	91	730991	54.93	ug/l	100
68) m/p-Xylenes	10.37	106	584190	111.10	ug/l	99
69) o-Xylene	10.70	106	285652	55.90	ug/l	98
70) Styrene	10.72	104	478368	57.62	ug/l	99
71) Bromoform	10.86	173	140940	50.43	ug/l #	100
73) Isopropylbenzene	11.02	105	769621	54.50	ug/l	100
74) N-amyl acetate	6.48	43	343869	53.61	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	226452	54.30	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	224900m	54.37	ug/l	
77) Bromobenzene	11.26	156	218605	53.25	ug/l	100
78) n-propylbenzene	11.37	91	853155	55.48	ug/l	99
79) 2-Chlorotoluene	11.43	91	510481	53.95	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	646322	54.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	57739	44.97	ug/l	98
82) 4-Chlorotoluene	11.52	91	597524	54.74	ug/l	100
83) tert-Butylbenzene	11.77	119	635174	54.30	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	666436	55.15	ug/l	100
85) sec-Butylbenzene	11.95	105	777056	55.34	ug/l	100
86) p-Isopropyltoluene	12.07	119	717223	55.68	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	392657	53.51	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	397254	53.07	ug/l	100
89) n-Butylbenzene	12.40	91	578044	54.16	ug/l	100
90) Hexachloroethane	12.60	117	109811	56.62	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	403045	53.98	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	53454	58.34	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	293206	53.67	ug/l	99
94) Hexachlorobutadiene	13.79	225	157154	52.57	ug/l	99
95) Naphthalene	13.84	128	861088	56.99	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	308193	54.98	ug/l	100

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

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