

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001758.D
 Acq On : 15 May 2018 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:16 AM

Quant Time: May 16 05:49:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	291758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	387682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	218147	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	199559	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	5.51	113	171191	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
50) Toluene-d8	8.72	98	629074	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
62) 4-Bromofluorobenzene	11.15	95	210733	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	145130	49.57	ug/l	99
3) Chloromethane	1.32	50	162035	51.23	ug/l	99
4) Vinyl Chloride	1.40	62	174151	50.93	ug/l	99
5) Bromomethane	1.64	94	65325	45.08	ug/l	97
6) Chloroethane	1.71	64	116295	54.00	ug/l	99
7) Trichlorofluoromethane	1.92	101	247755	49.86	ug/l	98
8) Diethyl Ether	2.19	74	104818	51.25	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	143973	48.13	ug/l	99
10) Methyl Iodide	2.51	142	183629	66.73	ug/l	99
11) Tert butyl alcohol	3.09	59	204961	295.21	ug/l	99
12) 1,1-Dichloroethene	2.37	96	142703	49.49	ug/l	99
13) Acrolein	2.30	56	133413	270.93	ug/l	99
14) Allyl chloride	2.73	41	274013	51.41	ug/l	97
15) Acrylonitrile	3.15	53	484985	278.11	ug/l	100
16) Acetone	2.45	43	412254	268.40	ug/l	99
17) Carbon Disulfide	2.57	76	356590	47.40	ug/l	100
18) Methyl Acetate	2.78	43	259340	57.75	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	503887	51.84	ug/l	99
20) Methylene Chloride	2.85	84	165622	50.37	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	154287	48.57	ug/l	97
22) Diisopropyl ether	3.88	45	533701	52.19	ug/l	99
23) Vinyl Acetate	3.83	43	1812414	246.01	ug/l	100
24) 1,1-Dichloroethane	3.70	63	289370	51.60	ug/l	100
25) 2-Butanone	4.72	43	669037	284.50	ug/l	99
26) 2,2-Dichloropropane	4.59	77	173647	38.46	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	180286	49.87	ug/l	99
28) Bromochloromethane	5.03	49	138068	55.43	ug/l	99
29) Tetrahydrofuran	5.18	42	438757	286.23	ug/l	100
30) Chloroform	5.22	83	304246	51.65	ug/l	99
31) Cyclohexane	5.57	56	244919	49.83	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	265415	52.14	ug/l	99
36) 1,1-Dichloropropene	5.81	75	215027	48.18	ug/l	100
37) Ethyl Acetate	4.88	43	252711	54.34	ug/l	99
38) Carbon Tetrachloride	5.79	117	237350	50.77	ug/l	98

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39) Methylcyclohexane	7.46	83	251804	48.29	ug/l	99
40) Benzene	6.15	78	674459	51.29	ug/l	99
41) Methacrylonitrile	5.07	41	144685	53.79	ug/l	99
42) 1,2-Dichloroethane	6.20	62	243786	51.26	ug/l	100
43) Isopropyl Acetate	6.48	43	389497	53.51	ug/l	99
44) Trichloroethene	7.22	130	203807	49.94	ug/l	99
45) 1,2-Dichloropropane	7.52	63	167097	51.79	ug/l	100
46) Dibromomethane	7.67	93	116147	51.27	ug/l	98
47) Bromodichloromethane	7.91	83	226870	53.96	ug/l	95
48) Methyl methacrylate	7.79	41	210730	55.00	ug/l	99
49) 1,4-Dioxane	7.77	88	94621	1282.60	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1338554	290.16	ug/l	100
52) Toluene	8.79	92	441185	52.22	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	256110	51.78	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	212904	48.83	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	166811	51.65	ug/l	99
56) Ethyl methacrylate	9.19	69	245161	53.53	ug/l	99
57) 1,3-Dichloropropane	9.38	76	274791	50.82	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	640400	271.82	ug/l	100
59) 2-Hexanone	9.51	43	950809	287.93	ug/l	99
60) Dibromochloromethane	9.59	129	180278	54.51	ug/l	99
61) 1,2-Dibromoethane	9.68	107	176579	52.23	ug/l	100
64) Tetrachloroethene	9.34	164	238225	53.94	ug/l	100
65) Chlorobenzene	10.15	112	460249	49.32	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	174599	52.98	ug/l	99
67) Ethyl Benzene	10.26	91	756905	50.75	ug/l	99
68) m/p-Xylenes	10.37	106	604454	102.73	ug/l	100
69) o-Xylene	10.71	106	295071	52.36	ug/l	100
70) Styrene	10.72	104	489622	52.68	ug/l	100
71) Bromoform	10.87	173	149234	48.73	ug/l	99
73) Isopropylbenzene	11.02	105	780869	54.35	ug/l	100
74) N-amyl acetate	6.48	43	389497	56.55	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	235926	54.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	229097m	55.23	ug/l	
77) Bromobenzene	11.26	156	222664	52.75	ug/l	99
78) n-propylbenzene	11.37	91	847782	52.38	ug/l	100
79) 2-Chlorotoluene	11.43	91	514839	53.19	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	643589	54.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	62787	45.43	ug/l	99
82) 4-Chlorotoluene	11.52	91	586119	51.40	ug/l	99
83) tert-Butylbenzene	11.77	119	639847	54.55	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	666231	54.59	ug/l	100
85) sec-Butylbenzene	11.95	105	768559	53.08	ug/l	100
86) p-Isopropyltoluene	12.07	119	704050	52.55	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	392847	50.32	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	393558	48.75	ug/l	100
89) n-Butylbenzene	12.40	91	564157	48.69	ug/l	100
90) Hexachloroethane	12.60	117	113477	54.54	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	401632	51.63	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54213	58.94	ug/l	98

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93) 1,2,4-Trichlorobenzene	13.65	180	298536	48.15	ug/l	100
94) Hexachlorobutadiene	13.79	225	154053	46.28	ug/l	99
95) Naphthalene	13.84	128	894651	55.51	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	315747	50.57	ug/l	100

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

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