

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032818\
 Data File : VX000504.D
 Acq On : 28 Mar 2018 21:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/29/2018 11:19:41 AM

Quant Time: Mar 29 05:14:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	124584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	211198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	222686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	143833	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	77775	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
35) Dibromofluoromethane	5.51	113	63337	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	8.73	98	267316	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
62) 4-Bromofluorobenzene	11.15	95	103191	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	63692	46.39	ug/l	95
3) Chloromethane	1.32	50	64624	44.68	ug/l	99
4) Vinyl Chloride	1.40	62	81112	53.07	ug/l	100
5) Bromomethane	1.64	94	115151	62.92	ug/l	98
6) Chloroethane	1.72	64	58455	62.25	ug/l	97
7) Trichlorofluoromethane	1.93	101	149342	54.14	ug/l	96
8) Diethyl Ether	2.20	74	51398	52.14	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	78712	51.17	ug/l	98
10) Methyl Iodide	2.51	142	47750	32.93	ug/l	97
11) Tert butyl alcohol	3.08	59	148431	265.34	ug/l	99
12) 1,1-Dichloroethene	2.38	96	71374	52.86	ug/l	94
13) Acrolein	2.30	56	96511	523.42	ug/l	99
14) Allyl chloride	2.73	41	129713	54.40	ug/l	97
15) Acrylonitrile	3.16	53	301733	266.32	ug/l	100
16) Acetone	2.45	43	300543	222.16	ug/l	96
17) Carbon Disulfide	2.57	76	189832	52.85	ug/l	99
18) Methyl Acetate	2.78	43	153745	54.21	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	263911	52.84	ug/l	99
20) Methylene Chloride	2.86	84	80937	51.80	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	78820	52.33	ug/l	96
22) Diisopropyl ether	3.88	45	201161	47.65	ug/l	99
23) Vinyl Acetate	3.84	43	938436	234.50	ug/l	99
24) 1,1-Dichloroethane	3.70	63	134335	50.61	ug/l	100
25) 2-Butanone	4.72	43	357301	234.97	ug/l	99
26) 2,2-Dichloropropane	4.60	77	81350	43.73	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	69091	49.08	ug/l	97
28) Bromochloromethane	5.03	49	74382	67.96	ug/l	99
29) Tetrahydrofuran	5.18	42	238264	254.67	ug/l	98
30) Chloroform	5.23	83	130465	52.45	ug/l	98
31) Cyclohexane	5.59	56	102488	49.95	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	115941	51.67	ug/l	98
36) 1,1-Dichloropropene	5.81	75	94377	47.71	ug/l	97
37) Ethyl Acetate	4.88	43	129342	47.86	ug/l	99
38) Carbon Tetrachloride	5.79	117	100960	48.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	121242	50.39	ug/l	96
40) Benzene	6.15	78	295032	51.35	ug/l	99
41) Methacrylonitrile	5.08	41	65288	45.83	ug/l	96
42) 1,2-Dichloroethane	6.21	62	114972	51.01	ug/l	99
43) Isopropyl Acetate	6.48	43	207261	51.53	ug/l	100
44) Trichloroethene	7.22	130	81909	49.77	ug/l	98
45) 1,2-Dichloropropane	7.52	63	78742	53.55	ug/l	98
46) Dibromomethane	7.67	93	58976	51.09	ug/l	98
47) Bromodichloromethane	7.91	83	109229	53.78	ug/l	97
48) Methyl methacrylate	7.79	41	101556	52.00	ug/l	99
49) 1,4-Dioxane	7.77	88	44297	1079.12	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	837225	268.89	ug/l	99
52) Toluene	8.79	92	214182	53.33	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	123224	52.36	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	127766	55.97	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	91228	55.23	ug/l	99
56) Ethyl methacrylate	9.19	69	136860	54.68	ug/l	99
57) 1,3-Dichloropropane	9.38	76	144512	54.70	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	273294	227.52	ug/l	98
59) 2-Hexanone	9.51	43	682780	258.26	ug/l	100
60) Dibromochloromethane	9.59	129	94617	48.54	ug/l	100
61) 1,2-Dibromoethane	9.68	107	97239	54.90	ug/l	97
64) Tetrachloroethene	9.34	164	81687	47.27	ug/l	98
65) Chlorobenzene	10.15	112	241721	48.78	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	87314	51.88	ug/l	98
67) Ethyl Benzene	10.26	91	417770	49.73	ug/l	98
68) m/p-Xylenes	10.37	106	330409	99.95	ug/l	99
69) o-Xylene	10.71	106	160589	50.17	ug/l	99
70) Styrene	10.72	104	273279	51.60	ug/l	99
71) Bromoform	10.87	173	73009	42.43	ug/l #	97
73) Isopropylbenzene	11.02	105	438947	46.06	ug/l	99
74) N-amyl acetate	6.48	43	207261	49.89	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	161456	47.90	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	140702m	45.52	ug/l	
77) Bromobenzene	11.26	156	108644	42.79	ug/l	99
78) n-propylbenzene	11.37	91	518024	45.59	ug/l	100
79) 2-Chlorotoluene	11.43	91	296065	45.10	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	388551	48.49	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	43656	45.72	ug/l	96
82) 4-Chlorotoluene	11.52	91	379981	48.48	ug/l	100
83) tert-Butylbenzene	11.78	119	382505	47.33	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	404299	48.12	ug/l	99
85) sec-Butylbenzene	11.96	105	476690	47.67	ug/l	99
86) p-Isopropyltoluene	12.07	119	434778	48.96	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	224217	46.71	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	238799	47.38	ug/l	98
89) n-Butylbenzene	12.40	91	410084	49.59	ug/l	99
90) Hexachloroethane	12.60	117	68312	48.87	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	226593	48.15	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	42572	45.29	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	154187	45.70	ug/l	99
94) Hexachlorobutadiene	13.79	225	65758	47.07	ug/l	99
95) Naphthalene	13.84	128	566082	48.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	155165	46.54	ug/l	99

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

