

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032118\
 Data File : VX000394.D
 Acq On : 21 Mar 2018 19:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 3/22/2018 2:44:33 PM

Quant Time: Mar 22 07:40:05 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	114302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	186239	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	189297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	110924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	77964	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	61491	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	8.73	98	247224	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.15	95	90700	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55947	44.41	ug/l	97
3) Chloromethane	1.32	50	59668	44.96	ug/l	99
4) Vinyl Chloride	1.41	62	69186	49.34	ug/l	97
5) Bromomethane	1.64	94	108645	64.70	ug/l	98
6) Chloroethane	1.73	64	45778	54.48	ug/l	97
7) Trichlorofluoromethane	1.93	101	123665	48.86	ug/l	99
8) Diethyl Ether	2.19	74	44769	49.50	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	67354	47.72	ug/l	99
10) Methyl Iodide	2.52	142	51583	38.01	ug/l	98
11) Tert butyl alcohol	3.07	59	127828	249.07	ug/l	100
12) 1,1-Dichloroethene	2.38	96	63522	51.27	ug/l	97
13) Acrolein	2.30	56	36638	225.12	ug/l	100
14) Allyl chloride	2.73	41	113803	52.01	ug/l	99
15) Acrylonitrile	3.15	53	261852	251.91	ug/l	100
16) Acetone	2.45	43	265550	213.95	ug/l	98
17) Carbon Disulfide	2.57	76	161386	48.97	ug/l	100
18) Methyl Acetate	2.78	43	133742	51.40	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	228137	49.79	ug/l	99
20) Methylene Chloride	2.87	84	70136	48.92	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	67087	48.54	ug/l	96
22) Diisopropyl ether	3.88	45	175663	45.36	ug/l	99
23) Vinyl Acetate	3.84	43	840641	228.96	ug/l	99
24) 1,1-Dichloroethane	3.70	63	126297	51.87	ug/l	100
25) 2-Butanone	4.72	43	334425	239.71	ug/l	100
26) 2,2-Dichloropropane	4.59	77	79676	46.68	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	63651	49.28	ug/l	98
28) Bromochloromethane	5.03	49	50813	50.60	ug/l	99
29) Tetrahydrofuran	5.18	42	218089	254.07	ug/l	99
30) Chloroform	5.23	83	116984	51.26	ug/l	92
31) Cyclohexane	5.59	56	91698	48.71	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	102987	50.02	ug/l	98
36) 1,1-Dichloropropene	5.81	75	85124	48.79	ug/l	99
37) Ethyl Acetate	4.87	43	114727	48.15	ug/l	99
38) Carbon Tetrachloride	5.79	117	91411	49.95	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	98753	46.55	ug/l	96
40) Benzene	6.15	78	256863	50.70	ug/l	99
41) Methacrylonitrile	5.08	41	60420	48.09	ug/l	98
42) 1,2-Dichloroethane	6.21	62	99969	50.29	ug/l	99
43) Isopropyl Acetate	6.48	43	178095	50.21	ug/l	99
44) Trichloroethene	7.23	130	70230	48.39	ug/l	88
45) 1,2-Dichloropropane	7.52	63	65402	50.43	ug/l	100
46) Dibromomethane	7.67	93	50896	50.00	ug/l	98
47) Bromodichloromethane	7.91	83	95213	53.17	ug/l	100
48) Methyl methacrylate	7.79	41	90219	52.39	ug/l	99
49) 1,4-Dioxane	7.77	88	34440	951.43	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	710386	258.73	ug/l	99
52) Toluene	8.79	92	176156	49.74	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	104444	50.33	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	104410	51.87	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	73668	50.58	ug/l	95
56) Ethyl methacrylate	9.19	69	112702	51.07	ug/l	98
57) 1,3-Dichloropropane	9.38	76	119660	51.37	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	279555	263.92	ug/l	99
59) 2-Hexanone	9.51	43	589382	252.81	ug/l	99
60) Dibromochloromethane	9.59	129	79672	46.54	ug/l	99
61) 1,2-Dibromoethane	9.68	107	79813	51.10	ug/l	97
64) Tetrachloroethene	9.35	164	73140	49.79	ug/l	89
65) Chlorobenzene	10.15	112	201461	47.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	71544	50.01	ug/l	97
67) Ethyl Benzene	10.26	91	349520	48.94	ug/l	99
68) m/p-Xylenes	10.37	106	275997	98.22	ug/l	97
69) o-Xylene	10.71	106	133766	49.16	ug/l	99
70) Styrene	10.72	104	225509	50.09	ug/l	98
71) Bromoform	10.87	173	61490	42.08	ug/l #	98
73) Isopropylbenzene	11.02	105	364566	49.60	ug/l	100
74) N-amyl acetate	6.48	43	178095	55.99	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	132049	50.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	116541m	48.89	ug/l	
77) Bromobenzene	11.27	156	91942	46.96	ug/l	99
78) n-propylbenzene	11.37	91	430087	49.08	ug/l	100
79) 2-Chlorotoluene	11.43	91	247396	48.87	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	309791	50.13	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	36618	49.73	ug/l	96
82) 4-Chlorotoluene	11.52	91	299349	49.52	ug/l	100
83) tert-Butylbenzene	11.78	119	309860	49.72	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	324623	50.10	ug/l	100
85) sec-Butylbenzene	11.96	105	387986	50.31	ug/l	99
86) p-Isopropyltoluene	12.07	119	350720	51.21	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	177408	47.92	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	183783	47.29	ug/l	98
89) n-Butylbenzene	12.40	91	313126	49.10	ug/l	99
90) Hexachloroethane	12.60	117	56064	52.01	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	178165	49.09	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	37282	51.43	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	121978	46.88	ug/l	99
94) Hexachlorobutadiene	13.79	225	51108	47.44	ug/l	98
95) Naphthalene	13.85	128	454604	50.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	122509	47.65	ug/l	100

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

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