

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041218\
 Data File : VX000816.D
 Acq On : 12 Apr 2018 21:39
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 4/13/2018 2:58:11 PM

Quant Time: Apr 13 07:50:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	330179	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	315108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	211377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	149446	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	5.51	113	126695	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	8.73	98	465567	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	11.15	95	188751	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	131920	47.92	ug/l	98
3) Chloromethane	1.32	50	108359	45.91	ug/l	100
4) Vinyl Chloride	1.40	62	129904	48.93	ug/l	98
5) Bromomethane	1.64	94	53445	48.59	ug/l	100
6) Chloroethane	1.73	64	80636	50.11	ug/l	100
7) Trichlorofluoromethane	1.93	101	189261	47.25	ug/l	100
8) Diethyl Ether	2.20	74	72849	48.68	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	111137	47.05	ug/l	99
10) Methyl Iodide	2.51	142	60580	35.76	ug/l	100
11) Tert butyl alcohol	3.08	59	126264	231.26	ug/l	100
12) 1,1-Dichloroethene	2.38	96	106246	47.46	ug/l	99
13) Acrolein	2.30	56	48869	184.31	ug/l	95
14) Allyl chloride	2.73	41	197076	47.61	ug/l	98
15) Acrylonitrile	3.16	53	302332	259.73	ug/l	99
16) Acetone	2.45	43	240052	226.36	ug/l	98
17) Carbon Disulfide	2.57	76	296308	43.71	ug/l	100
18) Methyl Acetate	2.79	43	146052	53.22	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	364430	48.88	ug/l	100
20) Methylene Chloride	2.86	84	118206	47.92	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	115094	46.63	ug/l	98
22) Diisopropyl ether	3.88	45	387233	50.91	ug/l	97
23) Vinyl Acetate	3.84	43	1696575	254.04	ug/l	99
24) 1,1-Dichloroethane	3.70	63	216283	50.67	ug/l	99
25) 2-Butanone	4.72	43	432330	246.87	ug/l	99
26) 2,2-Dichloropropane	4.59	77	176186	41.59	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	138732	49.52	ug/l	98
28) Bromochloromethane	5.03	49	86767	50.48	ug/l	100
29) Tetrahydrofuran	5.18	42	279351	251.23	ug/l	100
30) Chloroform	5.23	83	225917	49.99	ug/l	97
31) Cyclohexane	5.58	56	189999	46.87	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	208586	48.45	ug/l	100
36) 1,1-Dichloropropene	5.81	75	168628	46.37	ug/l	99
37) Ethyl Acetate	4.87	43	175450	49.42	ug/l	99
38) Carbon Tetrachloride	5.79	117	188387	46.29	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	195485	44.77	ug/l	100
40) Benzene	6.15	78	489359	48.43	ug/l	99
41) Methacrylonitrile	5.07	41	101155	49.32	ug/l	99
42) 1,2-Dichloroethane	6.21	62	182826	48.45	ug/l	100
43) Isopropyl Acetate	6.48	43	294245	48.35	ug/l	100
44) Trichloroethene	7.22	130	149449	47.56	ug/l	98
45) 1,2-Dichloropropane	7.52	63	127000	49.36	ug/l	98
46) Dibromomethane	7.67	93	87541	48.80	ug/l	100
47) Bromodichloromethane	7.91	83	174470	48.19	ug/l	99
48) Methyl methacrylate	7.79	41	153806	48.75	ug/l	99
49) 1,4-Dioxane	7.77	88	58950	929.85	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	893170	249.84	ug/l	98
52) Toluene	8.79	92	320489	47.81	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	207586	47.80	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	198302	46.90	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	128764	48.39	ug/l	99
56) Ethyl methacrylate	9.19	69	199810	48.67	ug/l	99
57) 1,3-Dichloropropane	9.38	76	211323	49.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	473868	247.07	ug/l	100
59) 2-Hexanone	9.51	43	669142	242.45	ug/l	100
60) Dibromochloromethane	9.59	129	153123	48.09	ug/l	100
61) 1,2-Dibromoethane	9.68	107	139958	49.58	ug/l	99
64) Tetrachloroethene	9.34	164	148232	48.11	ug/l	99
65) Chlorobenzene	10.15	112	380571	48.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	142651	47.81	ug/l	99
67) Ethyl Benzene	10.26	91	629186	47.61	ug/l	100
68) m/p-Xylenes	10.37	106	494700	94.84	ug/l	100
69) o-Xylene	10.71	106	240925	47.92	ug/l	100
70) Styrene	10.72	104	407559	48.08	ug/l	100
71) Bromoform	10.87	173	130562	47.26	ug/l	100
73) Isopropylbenzene	11.02	105	649719	48.45	ug/l	100
74) N-amyl acetate	6.48	43	294245	48.73	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	191615	49.24	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	178644m	49.01	ug/l	
77) Bromobenzene	11.26	156	190032	48.36	ug/l	99
78) n-propylbenzene	11.37	91	729475	47.56	ug/l	100
79) 2-Chlorotoluene	11.43	91	434563	47.94	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	550687	47.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	59155	44.64	ug/l	97
82) 4-Chlorotoluene	11.52	91	517935	47.33	ug/l	100
83) tert-Butylbenzene	11.77	119	567001	48.06	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	567601	47.68	ug/l	99
85) sec-Butylbenzene	11.95	105	660833	47.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	613497	47.27	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	345494	47.50	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	352085	47.23	ug/l	99
89) n-Butylbenzene	12.40	91	528233	46.11	ug/l	100
90) Hexachloroethane	12.60	117	99858	45.47	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	342838	48.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	45136	46.29	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	281133	46.92	ug/l	99
94) Hexachlorobutadiene	13.79	225	135671	46.05	ug/l	100
95) Naphthalene	13.84	128	764264	49.69	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	280764	48.24	ug/l	99

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

