

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000358.D
 Acq On : 20 Mar 2018 12:10
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

sam
 3/21/2018 11:44:10 AM

Quant Time: Mar 20 12:30:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 12:07:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	134167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	214226	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	223668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	168979	91.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.08%	
35) Dibromofluoromethane	5.52	113	135615	100.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.66%	
50) Toluene-d8	8.73	98	573659	101.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.48%	
62) 4-Bromofluorobenzene	11.15	95	240459	106.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	138398	95.76	ug/l	99
3) Chloromethane	1.32	50	131559	89.30	ug/l	94
4) Vinyl Chloride	1.41	62	148244	89.84	ug/l	94
5) Bromomethane	1.64	94	193250	104.94	ug/l	98
6) Chloroethane	1.71	64	107905	92.01	ug/l	99
7) Trichlorofluoromethane	1.93	101	268160	93.57	ug/l	99
8) Diethyl Ether	2.20	74	93690	91.83	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	149578	96.92	ug/l	98
10) Methyl Iodide	2.52	142	167722	107.56	ug/l	98
11) Tert butyl alcohol	3.10	59	276787	460.89	ug/l	100
12) 1,1-Dichloroethene	2.38	96	132032	90.15	ug/l	95
13) Acrolein	2.30	56	91480	354.07	ug/l	97
14) Allyl chloride	2.73	41	242471	92.84	ug/l	99
15) Acrylonitrile	3.16	53	559253	482.97	ug/l	100
16) Acetone	2.45	43	665675	537.14	ug/l	98
17) Carbon Disulfide	2.57	76	372100	86.97	ug/l	100
18) Methyl Acetate	2.79	43	275395	99.30	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	491020	95.23	ug/l	100
20) Methylene Chloride	2.87	84	145217	90.51	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	145571	89.90	ug/l	93
22) Diisopropyl ether	3.88	45	416516	95.83	ug/l	96
23) Vinyl Acetate	3.84	43	1977784	477.39	ug/l	99
24) 1,1-Dichloroethane	3.71	63	251465	91.96	ug/l	99
25) 2-Butanone	4.72	43	786966	531.30	ug/l	99
26) 2,2-Dichloropropane	4.60	77	205680	104.21	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	143014	96.69	ug/l	98
28) Bromochloromethane	5.04	49	117330	102.09	ug/l	100
29) Tetrahydrofuran	5.18	42	481386	504.94	ug/l	99
30) Chloroform	5.23	83	263283	101.98	ug/l	98
31) Cyclohexane	5.59	56	209108	99.67	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	235775	103.34	ug/l	100
36) 1,1-Dichloropropene	5.81	75	191161	98.21	ug/l	98
37) Ethyl Acetate	4.88	43	264365	102.19	ug/l	99
38) Carbon Tetrachloride	5.79	117	210050	107.04	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	241699	106.46	ug/l	95
40) Benzene	6.16	78	559674	101.35	ug/l	98
41) Methacrylonitrile	5.07	41	136244	100.30	ug/l	98
42) 1,2-Dichloroethane	6.21	62	215329	98.38	ug/l	100
43) Isopropyl Acetate	6.48	43	408470	109.40	ug/l	99
44) Trichloroethene	7.23	130	155589	97.23	ug/l	99
45) 1,2-Dichloropropane	7.52	63	142913	104.94	ug/l	97
46) Dibromomethane	7.67	93	109109	99.73	ug/l	98
47) Bromodichloromethane	7.91	83	210508	108.39	ug/l	98
48) Methyl methacrylate	7.79	41	200022	105.95	ug/l	100
49) 1,4-Dioxane	7.77	88	80248	1889.29	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1638787	565.18	ug/l	100
52) Toluene	8.79	92	417686	107.67	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	248332	110.79	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	256817	117.16	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	168591	108.32	ug/l	98
56) Ethyl methacrylate	9.19	69	274097	118.93	ug/l	97
57) 1,3-Dichloropropane	9.38	76	261726	103.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	617347	582.48	ug/l	99
59) 2-Hexanone	9.51	43	1417810	580.37	ug/l	99
60) Dibromochloromethane	9.59	129	194540	118.20	ug/l	97
61) 1,2-Dibromoethane	9.68	107	188569	109.29	ug/l	98
64) Tetrachloroethene	9.34	164	155891	97.59	ug/l	98
65) Chlorobenzene	10.15	112	485021	106.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	169008	110.32	ug/l	99
67) Ethyl Benzene	10.26	91	826308	106.41	ug/l	98
68) m/p-Xylenes	10.37	106	697592	230.57	ug/l	96
69) o-Xylene	10.71	106	333361	113.42	ug/l	98
70) Styrene	10.72	104	593341	121.66	ug/l	97
71) Bromoform	10.87	173	171939	128.31	ug/l #	97
73) Isopropylbenzene	11.03	105	948558	104.14	ug/l	99
74) N-amyl acetate	6.48	43	408470	93.68	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	331995	102.39	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	283973m	93.28	ug/l	
77) Bromobenzene	11.26	156	239955	100.37	ug/l	97
78) n-propylbenzene	11.37	91	1097061	99.89	ug/l	99
79) 2-Chlorotoluene	11.43	91	617927	99.15	ug/l	98
80) 1,3,5-Trimethylbenzene	11.52	105	818920	105.55	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	107568	120.39	ug/l	95
82) 4-Chlorotoluene	11.52	91	772364	100.82	ug/l	96
83) tert-Butylbenzene	11.78	119	804256	106.25	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	843615	105.76	ug/l	99
85) sec-Butylbenzene	11.96	105	1005227	106.08	ug/l	100
86) p-Isopropyltoluene	12.07	119	927788	110.02	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	477032	101.68	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	496309	101.80	ug/l	98
89) n-Butylbenzene	12.40	91	855387	104.32	ug/l	99
90) Hexachloroethane	12.60	117	149901	110.82	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	484462	106.61	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	90056	102.60	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	324847	99.24	ug/l	100
94) Hexachlorobutadiene	13.79	225	137441	106.44	ug/l	98
95) Naphthalene	13.85	128	1159183	102.05	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	313077	94.68	ug/l	99

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

