

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000321.D
 Acq On : 14 Mar 2018 18:32
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX031418

Manual Integrations
 APPROVED

sam
 3/15/2018 3:37:16 PM

Quant Time: Mar 15 03:42:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 03:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	133555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	223538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	231237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	89134	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	5.51	113	70620	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	8.73	98	296098	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.15	95	118122	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	77432	53.82	ug/l	97
3) Chloromethane	1.32	50	77843	53.08	ug/l	99
4) Vinyl Chloride	1.41	62	84308	51.33	ug/l	99
5) Bromomethane	1.64	94	94273	51.43	ug/l	98
6) Chloroethane	1.73	64	55535	47.57	ug/l	95
7) Trichlorofluoromethane	1.93	101	143314	50.23	ug/l	99
8) Diethyl Ether	2.20	74	49421	48.66	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	75916	49.42	ug/l	99
10) Methyl Iodide	2.52	142	76114	49.04	ug/l	100
11) Tert butyl alcohol	3.07	59	146308	244.74	ug/l	99
12) 1,1-Dichloroethene	2.38	96	71119	48.78	ug/l	99
13) Acrolein	2.30	56	65566	254.93	ug/l	99
14) Allyl chloride	2.73	41	124701	47.97	ug/l	99
15) Acrylonitrile	3.16	53	278437	241.56	ug/l	99
16) Acetone	2.45	43	295714	239.71	ug/l	99
17) Carbon Disulfide	2.57	76	212200	49.83	ug/l	99
18) Methyl Acetate	2.78	43	130887	47.41	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	251689	49.04	ug/l	99
20) Methylene Chloride	2.86	84	75454	47.24	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	77839	48.29	ug/l	94
22) Diisopropyl ether	3.88	45	195933	45.28	ug/l	98
23) Vinyl Acetate	3.84	43	941324	228.25	ug/l	100
24) 1,1-Dichloroethane	3.71	63	124994	45.92	ug/l	99
25) 2-Butanone	4.72	43	368142	249.68	ug/l	100
26) 2,2-Dichloropropane	4.60	77	98941	50.36	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	69959	47.52	ug/l	99
28) Bromochloromethane	5.03	49	60454	52.84	ug/l	99
29) Tetrahydrofuran	5.18	42	231350	243.78	ug/l	99
30) Chloroform	5.23	83	129001	50.20	ug/l	99
31) Cyclohexane	5.59	56	103318	49.47	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	115959	51.06	ug/l	100
36) 1,1-Dichloropropene	5.81	75	98175	48.34	ug/l	99
37) Ethyl Acetate	4.87	43	129307	47.90	ug/l	99
38) Carbon Tetrachloride	5.79	117	101763	49.70	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	116838	49.32	ug/l	99
40) Benzene	6.16	78	282842	49.08	ug/l	99
41) Methacrylonitrile	5.07	41	66338	46.80	ug/l	98
42) 1,2-Dichloroethane	6.21	62	108535	47.52	ug/l	98
43) Isopropyl Acetate	6.48	43	195655	50.22	ug/l	99
44) Trichloroethene	7.23	130	81004	48.51	ug/l	98
45) 1,2-Dichloropropane	7.52	63	70693	49.74	ug/l	100
46) Dibromomethane	7.67	93	56119	49.16	ug/l	100
47) Bromodichloromethane	7.91	83	103371	51.01	ug/l	98
48) Methyl methacrylate	7.79	41	95839	48.65	ug/l	99
49) 1,4-Dioxane	7.77	88	43646	984.76	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	753051	248.89	ug/l	99
52) Toluene	8.79	92	203529	50.28	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	120998	51.73	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	121057	52.93	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	79855	49.17	ug/l	97
56) Ethyl methacrylate	9.19	69	126845	52.74	ug/l	98
57) 1,3-Dichloropropane	9.38	76	131033	49.80	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	303029	295.38	ug/l	100
59) 2-Hexanone	9.51	43	640853	251.40	ug/l	99
60) Dibromochloromethane	9.59	129	92522	53.87	ug/l	99
61) 1,2-Dibromoethane	9.68	107	91749	50.96	ug/l	99
64) Tetrachloroethene	9.34	164	77176	51.99	ug/l	98
65) Chlorobenzene	10.15	112	239520	50.86	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	82257	51.94	ug/l	100
67) Ethyl Benzene	10.26	91	403145	50.22	ug/l	99
68) m/p-Xylenes	10.37	106	330808	105.76	ug/l	98
69) o-Xylene	10.71	106	155851	51.29	ug/l	100
70) Styrene	10.72	104	270810	53.71	ug/l	96
71) Bromoform	10.87	173	72986	45.84	ug/l #	97
73) Isopropylbenzene	11.02	105	431189	48.35	ug/l	99
74) N-amyl acetate	6.48	43	195655	45.83	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	149586	47.12	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	132152m	49.38	ug/l	
77) Bromobenzene	11.26	156	110249	47.10	ug/l	98
78) n-propylbenzene	11.37	91	510621	47.48	ug/l	100
79) 2-Chlorotoluene	11.43	91	286606	46.96	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	373371	49.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	43987	45.08	ug/l	99
82) 4-Chlorotoluene	11.52	91	357345	47.64	ug/l	97
83) tert-Butylbenzene	11.78	119	366310	49.42	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	383610	49.11	ug/l	98
85) sec-Butylbenzene	11.96	105	457414	49.30	ug/l	100
86) p-Isopropyltoluene	12.07	119	416915	50.49	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	221521	48.22	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	234147	49.05	ug/l	98
89) n-Butylbenzene	12.40	91	382229	47.60	ug/l	99
90) Hexachloroethane	12.60	117	65199	49.22	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	217332	48.84	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	41302	48.06	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	150432	46.93	ug/l	99
94) Hexachlorobutadiene	13.79	225	58284	46.10	ug/l	98
95) Naphthalene	13.84	128	546396	49.12	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	150817	46.58	ug/l	97

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

