

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000362.D
 Acq On : 20 Mar 2018 14:22
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX032018

Manual Integrations
 APPROVED

sam
 3/21/2018 11:44:18 AM

Quant Time: Mar 21 04:56:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 14:01:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	135598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	214610	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	214578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	136085	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	91371	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	5.51	113	71310	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
50) Toluene-d8	8.73	98	288846	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.15	95	113446	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	69833	46.73	ug/l	97
3) Chloromethane	1.32	50	73350	46.59	ug/l	97
4) Vinyl Chloride	1.41	62	81407	48.94	ug/l	99
5) Bromomethane	1.64	94	111902	56.18	ug/l	97
6) Chloroethane	1.73	64	52186	52.64	ug/l	97
7) Trichlorofluoromethane	1.93	101	140439	46.77	ug/l	98
8) Diethyl Ether	2.19	74	50265	46.84	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	81345	48.59	ug/l	99
10) Methyl Iodide	2.52	142	74423	45.30	ug/l	99
11) Tert butyl alcohol	3.07	59	144248	236.92	ug/l	100
12) 1,1-Dichloroethene	2.38	96	69956	47.60	ug/l	92
13) Acrolein	2.29	56	49986	256.71	ug/l	95
14) Allyl chloride	2.73	41	128135	49.36	ug/l	98
15) Acrylonitrile	3.15	53	292926	237.54	ug/l	100
16) Acetone	2.45	43	357972	243.11	ug/l	98
17) Carbon Disulfide	2.57	76	191341	48.94	ug/l	99
18) Methyl Acetate	2.78	43	146037	47.31	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	260615	47.94	ug/l	99
20) Methylene Chloride	2.86	84	79778	46.91	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	76791	46.84	ug/l	98
22) Diisopropyl ether	3.87	45	253517	55.18	ug/l	98
23) Vinyl Acetate	3.83	43	1216290	279.25	ug/l	98
24) 1,1-Dichloroethane	3.70	63	142049	49.17	ug/l	100
25) 2-Butanone	4.71	43	407533	246.24	ug/l	99
26) 2,2-Dichloropropane	4.59	77	103030	50.89	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	72658	47.42	ug/l	100
28) Bromochloromethane	5.03	49	58891	49.44	ug/l	99
29) Tetrahydrofuran	5.17	42	257426	252.80	ug/l	98
30) Chloroform	5.23	83	138635	51.21	ug/l	95
31) Cyclohexane	5.58	56	112372	50.32	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	122134	50.01	ug/l	98
36) 1,1-Dichloropropene	5.81	75	102677	51.08	ug/l	99
37) Ethyl Acetate	4.86	43	135772	49.44	ug/l	99
38) Carbon Tetrachloride	5.79	117	107735	51.08	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	130381	53.33	ug/l	97
40) Benzene	6.15	78	304860	52.22	ug/l	100
41) Methacrylonitrile	5.06	41	72152	49.84	ug/l	98
42) 1,2-Dichloroethane	6.20	62	117764	51.41	ug/l	98
43) Isopropyl Acetate	6.48	43	216194	52.89	ug/l	99
44) Trichloroethene	7.22	130	87159	52.11	ug/l	94
45) 1,2-Dichloropropane	7.53	63	79487	53.19	ug/l	99
46) Dibromomethane	7.67	93	60430	51.52	ug/l	99
47) Bromodichloromethane	7.90	83	113227	54.87	ug/l	96
48) Methyl methacrylate	7.79	41	106807	53.82	ug/l	98
49) 1,4-Dioxane	7.76	88	42682	1023.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	842423	266.26	ug/l	100
52) Toluene	8.79	92	209997	51.45	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	131987	55.19	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	129998	56.04	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	84603	50.41	ug/l	98
56) Ethyl methacrylate	9.19	69	136176	53.55	ug/l	99
57) 1,3-Dichloropropane	9.38	76	139740	52.06	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	335171	274.60	ug/l	98
59) 2-Hexanone	9.51	43	713437	265.56	ug/l	100
60) Dibromochloromethane	9.59	129	93627	47.38	ug/l	98
61) 1,2-Dibromoethane	9.68	107	94699	52.62	ug/l	99
64) Tetrachloroethene	9.34	164	85048	51.08	ug/l	96
65) Chlorobenzene	10.15	112	246086	51.53	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	86506	53.34	ug/l	98
67) Ethyl Benzene	10.26	91	431606	53.32	ug/l	99
68) m/p-Xylenes	10.37	106	341622	107.25	ug/l	100
69) o-Xylene	10.71	106	164500	53.34	ug/l	99
70) Styrene	10.72	104	279808	54.83	ug/l	98
71) Bromoform	10.87	173	78308	46.69	ug/l #	97
73) Isopropylbenzene	11.02	105	459378	50.95	ug/l	99
74) N-amyl acetate	6.48	43	216194	55.36	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	160985	50.48	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	149060m	50.97	ug/l	
77) Bromobenzene	11.26	156	113243	47.15	ug/l	99
78) n-propylbenzene	11.37	91	546514	50.83	ug/l	100
79) 2-Chlorotoluene	11.43	91	309458	49.82	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	402223	53.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	49751	55.07	ug/l	98
82) 4-Chlorotoluene	11.52	91	387142	52.20	ug/l	99
83) tert-Butylbenzene	11.78	119	396231	51.82	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	414936	52.20	ug/l	99
85) sec-Butylbenzene	11.96	105	497179	52.55	ug/l	99
86) p-Isopropyltoluene	12.07	119	456430	54.32	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	225145	49.57	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	240291	50.39	ug/l	99
89) n-Butylbenzene	12.40	91	424017	54.20	ug/l	100
90) Hexachloroethane	12.60	117	72145	54.55	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	229403	51.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	46350	52.11	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	159318	49.91	ug/l	98
94) Hexachlorobutadiene	13.79	225	68666	51.95	ug/l	99
95) Naphthalene	13.84	128	569597	51.23	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	155674	49.36	ug/l	99

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

