

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000749.D
 Acq On : 10 Apr 2018 14:11
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/11/2018 11:20:42 AM

Quant Time: Apr 10 15:21:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:11:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	370394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	237651	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	65905	19.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.32%	
35) Dibromofluoromethane	5.51	113	54507	19.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.16%	
50) Toluene-d8	8.72	98	201050	19.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.82%	
62) 4-Bromofluorobenzene	11.14	95	82638	19.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	65138	19.72	ug/l	100
3) Chloromethane	1.32	50	53410	19.24	ug/l	100
4) Vinyl Chloride	1.40	62	60110	19.25	ug/l	97
5) Bromomethane	1.65	94	31482	24.40	ug/l	96
6) Chloroethane	1.73	64	36653	20.25	ug/l	98
7) Trichlorofluoromethane	1.93	101	93718	20.01	ug/l	99
8) Diethyl Ether	2.19	74	33051	19.44	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55197	20.42	ug/l	99
10) Methyl Iodide	2.51	142	24352	12.87	ug/l	99
11) Tert butyl alcohol	3.06	59	61278	95.41	ug/l	99
12) 1,1-Dichloroethene	2.38	96	50412	19.58	ug/l	95
13) Acrolein	2.29	56	28405	92.15	ug/l	98
14) Allyl chloride	2.73	41	93432	19.58	ug/l	99
15) Acrylonitrile	3.15	53	127790	92.76	ug/l	99
16) Acetone	2.45	43	117009	95.25	ug/l	99
17) Carbon Disulfide	2.57	76	150493	19.65	ug/l	98
18) Methyl Acetate	2.78	43	59559	18.44	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	170427	19.53	ug/l	99
20) Methylene Chloride	2.86	84	53985	19.65	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	53656	19.21	ug/l	97
22) Diisopropyl ether	3.87	45	165724	18.77	ug/l	96
23) Vinyl Acetate	3.82	43	744480	96.35	ug/l	99
24) 1,1-Dichloroethane	3.70	63	94959	19.43	ug/l	99
25) 2-Butanone	4.71	43	194984	93.66	ug/l	99
26) 2,2-Dichloropropane	4.59	77	96188	19.74	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	63992	19.69	ug/l	99
28) Bromochloromethane	5.03	49	37956	19.83	ug/l	96
29) Tetrahydrofuran	5.17	42	122487	93.44	ug/l	100
30) Chloroform	5.22	83	104039	19.67	ug/l	99
31) Cyclohexane	5.58	56	91297	19.84	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	97612	19.32	ug/l	99
36) 1,1-Dichloropropene	5.81	75	78811	19.97	ug/l	99
37) Ethyl Acetate	4.86	43	77364	19.37	ug/l	99
38) Carbon Tetrachloride	5.79	117	89839	19.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	97093	20.61	ug/l	99
40) Benzene	6.15	78	224022	20.01	ug/l	99
41) Methacrylonitrile	5.06	41	44794	19.49	ug/l	99
42) 1,2-Dichloroethane	6.20	62	85136	20.31	ug/l	99
43) Isopropyl Acetate	6.47	43	133725	19.74	ug/l	99
44) Trichloroethene	7.22	130	69447	19.98	ug/l	96
45) 1,2-Dichloropropane	7.52	63	57746	19.94	ug/l	97
46) Dibromomethane	7.67	93	39480	19.86	ug/l	98
47) Bromodichloromethane	7.90	83	80345	19.65	ug/l	100
48) Methyl methacrylate	7.78	41	68355	19.31	ug/l	99
49) 1,4-Dioxane	7.76	88	27538	386.52	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	391425	96.63	ug/l	99
52) Toluene	8.79	92	147995	20.04	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	96249	19.60	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	94035	19.55	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	57791	19.82	ug/l	99
56) Ethyl methacrylate	9.19	69	89341	19.41	ug/l	98
57) 1,3-Dichloropropane	9.38	76	94559	19.81	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	223561	101.54	ug/l	100
59) 2-Hexanone	9.50	43	299910	95.50	ug/l	99
60) Dibromochloromethane	9.59	129	70316	19.27	ug/l	100
61) 1,2-Dibromoethane	9.68	107	61479	19.35	ug/l	99
64) Tetrachloroethene	9.34	164	67605	20.14	ug/l	99
65) Chlorobenzene	10.15	112	172955	19.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	65315	19.81	ug/l	99
67) Ethyl Benzene	10.26	91	290499	20.04	ug/l	100
68) m/p-Xylenes	10.37	106	228039	39.80	ug/l	98
69) o-Xylene	10.71	106	110141	19.78	ug/l	100
70) Styrene	10.72	104	184228	19.61	ug/l	99
71) Bromoform	10.87	173	59546	18.73	ug/l #	100
73) Isopropylbenzene	11.02	105	302085	19.94	ug/l	100
74) N-amyl acetate	6.47	43	133725	19.66	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	84118	19.26	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	81650m	19.60	ug/l	
77) Bromobenzene	11.26	156	85464	19.54	ug/l	98
78) n-propylbenzene	11.37	91	346138	20.23	ug/l	99
79) 2-Chlorotoluene	11.43	91	199294	19.62	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	258893	19.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	27979	18.48	ug/l	96
82) 4-Chlorotoluene	11.52	91	244261	20.16	ug/l	99
83) tert-Butylbenzene	11.77	119	266894	19.82	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	266258	19.99	ug/l	99
85) sec-Butylbenzene	11.95	105	314528	20.08	ug/l	99
86) p-Isopropyltoluene	12.07	119	293991	20.16	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	159292	19.65	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	162722	19.79	ug/l	99
89) n-Butylbenzene	12.40	91	258386	20.09	ug/l	99
90) Hexachloroethane	12.60	117	48625	19.11	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	153618	19.46	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20897	19.11	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	130878	19.55	ug/l	98
94) Hexachlorobutadiene	13.79	225	64515	19.71	ug/l	98
95) Naphthalene	13.84	128	335597	19.12	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	128895	19.80	ug/l	99

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

