

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
 Data File : VX001272.D
 Acq On : 01 May 2018 11:55
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:51 PM

Quant Time: May 02 01:32:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:17:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	203958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	260130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	248070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169191	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	53294	17.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.14%	
35) Dibromofluoromethane	5.51	113	43901	20.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.60%	
50) Toluene-d8	8.72	98	164000	20.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.08%	
62) 4-Bromofluorobenzene	11.14	95	61881	19.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	48751	22.16	ug/l	98
3) Chloromethane	1.32	50	44374	19.78	ug/l	98
4) Vinyl Chloride	1.40	62	46428	19.47	ug/l	99
5) Bromomethane	1.64	94	36252	21.50	ug/l	97
6) Chloroethane	1.73	64	28570	19.17	ug/l	99
7) Trichlorofluoromethane	1.93	101	79009	20.33	ug/l	98
8) Diethyl Ether	2.19	74	26937	18.45	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	46131	21.45	ug/l	99
10) Methyl Iodide	2.51	142	40511	20.30	ug/l	99
11) Tert butyl alcohol	3.07	59	48859	82.03	ug/l	100
12) 1,1-Dichloroethene	2.38	96	39163	18.94	ug/l	99
13) Acrolein	2.29	56	25255	103.21	ug/l	98
14) Allyl chloride	2.73	41	70171	18.84	ug/l	99
15) Acrylonitrile	3.15	53	108049	83.05	ug/l	99
16) Acetone	2.45	43	116665	90.32	ug/l	99
17) Carbon Disulfide	2.57	76	96956	18.42	ug/l	98
18) Methyl Acetate	2.78	43	55975	17.54	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	136380	18.18	ug/l	99
20) Methylene Chloride	2.86	84	46734	19.35	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	42454	18.67	ug/l	97
22) Diisopropyl ether	3.87	45	131455	17.73	ug/l	97
23) Vinyl Acetate	3.83	43	554714	88.55	ug/l	99
24) 1,1-Dichloroethane	3.70	63	75887	19.25	ug/l	99
25) 2-Butanone	4.71	43	157371	82.84	ug/l	99
26) 2,2-Dichloropropane	4.59	77	60009	19.23	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	47054	19.01	ug/l	98
28) Bromochloromethane	5.03	49	37345	21.10	ug/l	99
29) Tetrahydrofuran	5.17	42	95076	78.30	ug/l	100
30) Chloroform	5.22	83	77741	18.63	ug/l	95
31) Cyclohexane	5.58	56	67653	20.00	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	68023	18.81	ug/l	100
36) 1,1-Dichloropropene	5.81	75	58387	20.18	ug/l	99
37) Ethyl Acetate	4.87	43	59289	17.58	ug/l	99
38) Carbon Tetrachloride	5.79	117	60268	20.23	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	72355	22.30	ug/l	98
40) Benzene	6.15	78	170568	20.47	ug/l	99
41) Methacrylonitrile	5.07	41	33623	17.74	ug/l	99
42) 1,2-Dichloroethane	6.20	62	64476	19.40	ug/l	99
43) Isopropyl Acetate	6.47	43	94349	17.72	ug/l	99
44) Trichloroethene	7.22	130	53210	21.34	ug/l	98
45) 1,2-Dichloropropane	7.52	63	42924	19.68	ug/l	96
46) Dibromomethane	7.67	93	30791	20.39	ug/l	98
47) Bromodichloromethane	7.90	83	54166	19.73	ug/l	98
48) Methyl methacrylate	7.78	41	49426	17.49	ug/l	99
49) 1,4-Dioxane	7.76	88	20476	366.16	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	312628	89.62	ug/l	99
52) Toluene	8.79	92	112315	20.58	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	64294	20.17	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	58508	19.56	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	45105	19.65	ug/l	98
56) Ethyl methacrylate	9.18	69	61708	18.34	ug/l	99
57) 1,3-Dichloropropane	9.38	76	72305	19.51	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	155262	96.94	ug/l	100
59) 2-Hexanone	9.50	43	242997	88.74	ug/l	99
60) Dibromochloromethane	9.59	129	45853	19.77	ug/l	98
61) 1,2-Dibromoethane	9.68	107	47036	19.60	ug/l	98
64) Tetrachloroethene	9.34	164	61799	22.81	ug/l	97
65) Chlorobenzene	10.14	112	131152	20.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	46976	20.80	ug/l	99
67) Ethyl Benzene	10.26	91	219352	20.57	ug/l	98
68) m/p-Xylenes	10.36	106	174446	41.36	ug/l	100
69) o-Xylene	10.70	106	83717	20.55	ug/l	98
70) Styrene	10.71	104	136637	20.19	ug/l	99
71) Bromoform	10.86	173	36006	18.37	ug/l #	100
73) Isopropylbenzene	11.02	105	226750	20.45	ug/l	100
74) N-amyl acetate	6.47	43	94349	17.30	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	65319	18.05	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	60697m	17.89	ug/l	
77) Bromobenzene	11.26	156	65699	20.05	ug/l	97
78) n-propylbenzene	11.37	91	258763	20.95	ug/l	100
79) 2-Chlorotoluene	11.43	91	152121	19.92	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	193141	20.55	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	14813	17.34	ug/l	93
82) 4-Chlorotoluene	11.52	91	180947	19.90	ug/l	100
83) tert-Butylbenzene	11.77	119	188702	20.16	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	199569	20.71	ug/l	100
85) sec-Butylbenzene	11.95	105	232635	21.13	ug/l	99
86) p-Isopropyltoluene	12.07	119	216540	21.20	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	119222	20.25	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	121823	19.84	ug/l	99
89) n-Butylbenzene	12.40	91	187478	21.17	ug/l	99
90) Hexachloroethane	12.60	117	30203	20.82	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	117534	19.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13102	16.58	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	94173	20.14	ug/l	99
94) Hexachlorobutadiene	13.79	225	50162	22.40	ug/l	98
95) Naphthalene	13.84	128	243331	18.89	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	94231	20.29	ug/l	99

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

