

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
 Data File : VX000995.D
 Acq On : 19 Apr 2018 18:03
 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
 4/20/2018 2:09:30 PM

Quant Time: Apr 20 04:50:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 04:18:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331987	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216793	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	59078	19.00	ug/l	0.00
Spiked Amount			Recovery	=	38.00%	
35) Dibromofluoromethane	5.51	113	48391	20.79	ug/l	0.00
Spiked Amount			Recovery	=	41.58%	
50) Toluene-d8	8.72	98	175811	21.04	ug/l	0.00
Spiked Amount			Recovery	=	42.08%	
62) 4-Bromofluorobenzene	11.14	95	72822	21.10	ug/l	0.00
Spiked Amount			Recovery	=	42.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	68618	29.26	ug/l	97
3) Chloromethane	1.32	50	58558	24.27	ug/l	100
4) Vinyl Chloride	1.41	62	61091	25.99	ug/l	99
5) Bromomethane	1.65	94	40140	25.96	ug/l	96
6) Chloroethane	1.73	64	35533	21.51	ug/l	98
7) Trichlorofluoromethane	1.93	101	90792	25.53	ug/l	100
8) Diethyl Ether	2.19	74	32643	23.98	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51765	24.33	ug/l	99
10) Methyl Iodide	2.52	142	32868	17.13	ug/l	99
11) Tert butyl alcohol	3.07	59	47852	118.35	ug/l	97
12) 1,1-Dichloroethene	2.38	96	48565	23.93	ug/l	99
13) Acrolein	2.29	56	12847	156.15	ug/l	98
14) Allyl chloride	2.73	41	87483	23.14	ug/l	100
15) Acrylonitrile	3.15	53	126806	118.64	ug/l	99
16) Acetone	2.45	43	119311	118.00	ug/l	100
17) Carbon Disulfide	2.57	76	130389	20.65	ug/l	100
18) Methyl Acetate	2.78	43	76982	29.39	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	163618	24.75	ug/l	99
20) Methylene Chloride	2.86	84	52834	22.26	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	52749	22.99	ug/l	98
22) Diisopropyl ether	3.88	45	170007	23.52	ug/l	98
23) Vinyl Acetate	3.83	43	697921	118.30	ug/l	99
24) 1,1-Dichloroethane	3.70	63	93242	23.92	ug/l	99
25) 2-Butanone	4.71	43	187248	120.32	ug/l	98
26) 2,2-Dichloropropane	4.59	77	80462	23.53	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	59505	23.97	ug/l	99
28) Bromochloromethane	5.03	49	35464	21.70	ug/l	99
29) Tetrahydrofuran	5.17	42	116403	117.36	ug/l	100
30) Chloroform	5.22	83	96848	24.12	ug/l	100
31) Cyclohexane	5.59	56	86924	24.64	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	88181	24.67	ug/l	99
36) 1,1-Dichloropropene	5.81	75	75833	23.97	ug/l	99
37) Ethyl Acetate	4.87	43	72108	24.46	ug/l	99
38) Carbon Tetrachloride	5.79	117	75508	22.92	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	88502	23.40	ug/l	97
40) Benzene	6.15	78	216252	24.50	ug/l	97
41) Methacrylonitrile	5.07	41	42937	23.25	ug/l	99
42) 1,2-Dichloroethane	6.21	62	83405	24.33	ug/l	99
43) Isopropyl Acetate	6.47	43	120918	24.25	ug/l	99
44) Trichloroethene	7.22	130	64836	23.31	ug/l	99
45) 1,2-Dichloropropane	7.52	63	55123	24.03	ug/l	97
46) Dibromomethane	7.67	93	37668	23.81	ug/l	99
47) Bromodichloromethane	7.90	83	69929	23.87	ug/l	97
48) Methyl methacrylate	7.78	41	64558	23.07	ug/l	99
49) 1,4-Dioxane	7.76	88	19241	504.73	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	377205	124.79	ug/l	100
52) Toluene	8.79	92	140919	24.32	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	83788	23.83	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	78316	23.35	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	55095	24.45	ug/l	97
56) Ethyl methacrylate	9.19	69	81945	24.00	ug/l	98
57) 1,3-Dichloropropane	9.38	76	92108	24.73	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	201702	129.58	ug/l	100
59) 2-Hexanone	9.51	43	288835	124.60	ug/l	99
60) Dibromochloromethane	9.59	129	57339	23.07	ug/l	100
61) 1,2-Dibromoethane	9.68	107	59216	24.31	ug/l	100
64) Tetrachloroethene	9.34	164	66187	23.75	ug/l	97
65) Chlorobenzene	10.15	112	165417	23.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	58023	24.18	ug/l	99
67) Ethyl Benzene	10.26	91	275400	24.35	ug/l	100
68) m/p-Xylenes	10.37	106	217543	48.53	ug/l	100
69) o-Xylene	10.71	106	104336	23.91	ug/l	99
70) Styrene	10.72	104	173110	23.98	ug/l	100
71) Bromoform	10.87	173	44639	21.65	ug/l #	99
73) Isopropylbenzene	11.02	105	283658	23.80	ug/l	99
74) N-amyl acetate	6.47	43	120918	24.30	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81482	24.23	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	76957m	20.78	ug/l	
77) Bromobenzene	11.26	156	81393	23.34	ug/l	99
78) n-propylbenzene	11.37	91	325148	23.59	ug/l	100
79) 2-Chlorotoluene	11.43	91	192600	23.62	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	243080	24.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	19961	21.20	ug/l	94
82) 4-Chlorotoluene	11.52	91	229870	23.41	ug/l	100
83) tert-Butylbenzene	11.77	119	243389	23.39	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	249607	24.20	ug/l	99
85) sec-Butylbenzene	11.95	105	291872	23.36	ug/l	99
86) p-Isopropyltoluene	12.07	119	268730	23.33	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	150114	22.94	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	154801	23.25	ug/l	99
89) n-Butylbenzene	12.40	91	239311	23.03	ug/l	99
90) Hexachloroethane	12.60	117	36562	21.96	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	146321	23.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16943	24.11	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	122076	21.87	ug/l	99
94) Hexachlorobutadiene	13.79	225	54545	21.96	ug/l	99
95) Naphthalene	13.84	128	310797	23.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	118332	22.71	ug/l	100

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

