

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009202.D
 Acq On : 29 Apr 2019 12:33
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:03:26 AM

Quant Time: Apr 30 06:53:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 06:38:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	198434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	322559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	289447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136365	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	52222	18.57	ug/l	0.00
Spiked Amount						
			Recovery	=	37.14%	
35) Dibromofluoromethane	5.49	113	39375	18.95	ug/l	0.00
Spiked Amount						
			Recovery	=	37.90%	
50) Toluene-d8	8.71	98	161719	19.47	ug/l	0.00
Spiked Amount						
			Recovery	=	38.94%	
62) 4-Bromofluorobenzene	11.13	95	56217	19.10	ug/l	0.00
Spiked Amount						
			Recovery	=	38.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	36339	16.511	ug/l	100
3) Chloromethane	1.32	50	48848	17.622	ug/l	100
4) Vinyl Chloride	1.40	62	47431	17.626	ug/l	98
5) Bromomethane	1.64	94	26237	14.959	ug/l	94
6) Chloroethane	1.72	64	30386	19.027	ug/l	97
7) Trichlorofluoromethane	1.93	101	57182	18.090	ug/l	98
8) Diethyl Ether	2.18	74	27099	18.631	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36270	17.910	ug/l	99
10) Methyl Iodide	2.51	142	34308	17.117	ug/l	99
11) Tert butyl alcohol	3.04	59	60126	96.249	ug/l	98
12) 1,1-Dichloroethene	2.37	96	37121	17.625	ug/l	94
13) Acrolein	2.29	56	57451	106.764	ug/l	99
14) Allyl chloride	2.73	41	85618	18.548	ug/l	99
15) Acrylonitrile	3.14	53	146258	93.242	ug/l	100
16) Acetone	2.44	43	145471	100.571	ug/l	100
17) Carbon Disulfide	2.57	76	101620	15.661	ug/l	100
18) Methyl Acetate	2.77	43	65431	18.092	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	139145	18.421	ug/l	98
20) Methylene Chloride	2.85	84	44330	17.875	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	38701	17.212	ug/l	98
22) Diisopropyl ether	3.85	45	168485	18.705	ug/l	98
23) Vinyl Acetate	3.81	43	739098	93.861	ug/l	100
24) 1,1-Dichloroethane	3.70	63	82308	18.243	ug/l	98
25) 2-Butanone	4.67	43	225227	97.560	ug/l	99
26) 2,2-Dichloropropane	4.58	77	60266	17.811	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	46351	18.085	ug/l	98
28) Bromochloromethane	5.01	49	34536	16.285	ug/l	98
29) Tetrahydrofuran	5.12	42	140561	91.059	ug/l	99
30) Chloroform	5.21	83	75110	18.592	ug/l	96
31) Cyclohexane	5.58	56	79341	17.980	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	62031	18.550	ug/l	99
36) 1,1-Dichloropropene	5.80	75	56224	17.011	ug/l	99
37) Ethyl Acetate	4.83	43	81292	19.107	ug/l	100
38) Carbon Tetrachloride	5.78	117	51839	18.415	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69762	17.357	ug/l	99
40) Benzene	6.14	78	178652	18.262	ug/l	98
41) Methacrylonitrile	5.04	41	46242	18.838	ug/l	99
42) 1,2-Dichloroethane	6.19	62	63938	18.446	ug/l	99
43) Isopropyl Acetate	6.44	43	125945	18.303	ug/l	100
44) Trichloroethene	7.21	130	41185	17.205	ug/l	99
45) 1,2-Dichloropropane	7.51	63	49880	18.350	ug/l	98
46) Dibromomethane	7.66	93	28562	18.075	ug/l	99
47) Bromodichloromethane	7.90	83	57200	18.414	ug/l	99
48) Methyl methacrylate	7.77	41	62303	18.328	ug/l	99
49) 1,4-Dioxane	7.74	88	25508	392.397	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	416936	94.755	ug/l	100
52) Toluene	8.78	92	107317	18.263	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	64441	18.122	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	71785	17.965	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	44208	18.931	ug/l	99
56) Ethyl methacrylate	9.18	69	77373	18.502	ug/l	99
57) 1,3-Dichloropropane	9.37	76	76055	18.349	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	213915	94.702	ug/l	100
59) 2-Hexanone	9.49	43	330950	97.051	ug/l	99
60) Dibromochloromethane	9.58	129	42409	18.951	ug/l	99
61) 1,2-Dibromoethane	9.67	107	44147	18.394	ug/l	99
64) Tetrachloroethene	9.34	164	38081	17.514	ug/l	97
65) Chlorobenzene	10.13	112	110205	18.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	39529	18.402	ug/l	99
67) Ethyl Benzene	10.25	91	203894	18.300	ug/l	98
68) m/p-Xylenes	10.36	106	148862	36.657	ug/l	99
69) o-Xylene	10.69	106	73412	18.579	ug/l	99
70) Styrene	10.71	104	126033	18.366	ug/l	99
71) Bromoform	10.85	173	30905	18.021	ug/l #	98
73) Isopropylbenzene	11.02	105	193811	18.868	ug/l	99
74) N-amyl acetate	10.90	43	110594	18.653	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	70730	18.736	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	62336m	18.794	ug/l	
77) Bromobenzene	11.26	156	47440	18.299	ug/l	99
78) n-propylbenzene	11.36	91	221055	18.788	ug/l	99
79) 2-Chlorotoluene	11.42	91	133261	18.747	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	165072	19.138	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22984	17.962	ug/l	97
82) 4-Chlorotoluene	11.51	91	152253	18.457	ug/l	99
83) tert-Butylbenzene	11.77	119	155594	18.729	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	164667	18.741	ug/l	99
85) sec-Butylbenzene	11.94	105	186398	18.854	ug/l	100
86) p-Isopropyltoluene	12.06	119	168493	18.550	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	82821	18.180	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	83637	18.101	ug/l	99
89) n-Butylbenzene	12.38	91	148098	17.610	ug/l	100
90) Hexachloroethane	12.59	117	27835	18.557	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	83854	18.546	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16039	18.572	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	58804	18.114	ug/l	98
94) Hexachlorobutadiene	13.78	225	28451	17.563	ug/l	98
95) Naphthalene	13.83	128	200685	19.226	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	61274	19.043	ug/l	99

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

