

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009904.D
 Acq On : 28 May 2019 10:20
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:24:42 AM

Quant Time: May 29 03:53:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 03:39:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	169913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	271123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116229	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	13108	5.70	ug/l	0.00
Spiked Amount			Recovery	=	11.40%	
35) Dibromofluoromethane	5.50	113	9280	5.49	ug/l	0.00
Spiked Amount			Recovery	=	10.98%	
50) Toluene-d8	8.71	98	36462	5.33	ug/l	0.00
Spiked Amount			Recovery	=	10.66%	
62) 4-Bromofluorobenzene	11.13	95	12207	4.90	ug/l	0.00
Spiked Amount			Recovery	=	9.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	8498	5.019	ug/l	97
3) Chloromethane	1.32	50	12950	5.770	ug/l	97
4) Vinyl Chloride	1.41	62	11736	5.420	ug/l	98
5) Bromomethane	1.64	94	7621	5.873	ug/l	97
6) Chloroethane	1.71	64	7439	5.438	ug/l	97
7) Trichlorofluoromethane	1.92	101	13296	5.133	ug/l	99
8) Diethyl Ether	2.19	74	6614	5.455	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	8502	5.288	ug/l	99
10) Methyl Iodide	2.51	142	6423	3.768	ug/l	96
11) Tert butyl alcohol	3.06	59	15687	28.854	ug/l	96
12) 1,1-Dichloroethene	2.37	96	8430	5.236	ug/l	99
13) Acrolein	2.29	56	4795	10.123	ug/l	86
14) Allyl chloride	2.73	41	20467	5.184	ug/l	98
15) Acrylonitrile	3.14	53	35034	26.400	ug/l	100
16) Acetone	2.45	43	32698	25.791	ug/l	99
17) Carbon Disulfide	2.57	76	24814	5.417	ug/l	100
18) Methyl Acetate	2.78	43	15257	5.110	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	32066	5.151	ug/l	98
20) Methylene Chloride	2.85	84	10621	5.233	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	9354	5.371	ug/l	97
22) Diisopropyl ether	3.85	45	39781	5.266	ug/l	98
23) Vinyl Acetate	3.82	43	171546	26.403	ug/l	99
24) 1,1-Dichloroethane	3.70	63	19319	5.197	ug/l	97
25) 2-Butanone	4.68	43	52088	26.495	ug/l	99
26) 2,2-Dichloropropane	4.59	77	14802	5.344	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	10640	5.134	ug/l	98
28) Bromochloromethane	5.02	49	10108	6.001	ug/l	98
29) Tetrahydrofuran	5.13	42	33383	26.447	ug/l	98
30) Chloroform	5.21	83	17526	5.224	ug/l	94
31) Cyclohexane	5.58	56	18611	5.316	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	14220	5.080	ug/l	96
36) 1,1-Dichloropropene	5.80	75	13778	5.402	ug/l	99
37) Ethyl Acetate	4.84	43	18677	5.222	ug/l #	94
38) Carbon Tetrachloride	5.78	117	12185	5.261	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	16586	5.279	ug/l	98
40) Benzene	6.14	78	41789	5.307	ug/l	99
41) Methacrylonitrile	5.04	41	10661	5.036	ug/l	97
42) 1,2-Dichloroethane	6.19	62	15519	5.473	ug/l	97
43) Isopropyl Acetate	6.45	43	30557	5.359	ug/l	98
44) Trichloroethene	7.21	130	9702	5.104	ug/l	97
45) 1,2-Dichloropropane	7.51	63	11810	5.298	ug/l	99
46) Dibromomethane	7.66	93	6699	5.178	ug/l	97
47) Bromodichloromethane	7.90	83	12732	4.943	ug/l	98
48) Methyl methacrylate	7.77	41	14603	5.145	ug/l	100
49) 1,4-Dioxane	7.74	88	5855	103.096	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	101545	27.178	ug/l	98
52) Toluene	8.78	92	25152	5.254	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	14213	4.848	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	16362	5.062	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	9829	5.058	ug/l	95
56) Ethyl methacrylate	9.18	69	17151	4.909	ug/l	99
57) 1,3-Dichloropropane	9.37	76	18034	5.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	45766	24.953	ug/l	98
59) 2-Hexanone	9.49	43	78950	26.929	ug/l	97
60) Dibromochloromethane	9.58	129	9438	4.954	ug/l	100
61) 1,2-Dibromoethane	9.67	107	9983	5.081	ug/l	99
64) Tetrachloroethene	9.34	164	8614	5.101	ug/l	93
65) Chlorobenzene	10.13	112	25840	5.256	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	8788	4.937	ug/l	98
67) Ethyl Benzene	10.25	91	46228	5.107	ug/l	99
68) m/p-Xylenes	10.36	106	33486	10.114	ug/l	98
69) o-Xylene	10.69	106	16076	4.924	ug/l	95
70) Styrene	10.71	104	27821	4.916	ug/l	100
71) Bromoform	10.85	173	7025	4.849	ug/l #	98
73) Isopropylbenzene	11.02	105	43285	5.090	ug/l	99
74) N-amyl acetate	10.90	43	25104	5.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	16680	5.286	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	14802m	5.454	ug/l	
77) Bromobenzene	11.26	156	10570	5.013	ug/l	99
78) n-propylbenzene	11.36	91	49101	5.046	ug/l	99
79) 2-Chlorotoluene	11.42	91	30677	5.107	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	36779	5.129	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	5212	4.888	ug/l	92
82) 4-Chlorotoluene	11.51	91	35656	5.250	ug/l	99
83) tert-Butylbenzene	11.77	119	35665	5.122	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	37766	5.247	ug/l	97
85) sec-Butylbenzene	11.94	105	41688	5.048	ug/l	100
86) p-Isopropyltoluene	12.06	119	36842	4.957	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	19133	5.093	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	19666	5.190	ug/l	96
89) n-Butylbenzene	12.38	91	32692	4.846	ug/l	100
90) Hexachloroethane	12.60	117	6142	4.859	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	19343	5.072	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	3786	5.350	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	12502	4.780	ug/l	99
94) Hexachlorobutadiene	13.78	225	6816	5.091	ug/l	97
95) Naphthalene	13.83	128	39014	4.618	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	12791	4.836	ug/l	97

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

