

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092319\
 Data File : VX012595.D
 Acq On : 23 Sep 2019 10:32
 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
 9/24/2019 10:07:33 AM

Quant Time: Sep 23 12:07:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 11:56:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	201610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	354139	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	310718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	134982	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	15680	5.36	ug/l	0.00
Spiked Amount			Recovery	=	10.72%	
35) Dibromofluoromethane	5.49	113	10303	4.79	ug/l	0.00
Spiked Amount			Recovery	=	9.58%	
50) Toluene-d8	8.71	98	42410	5.30	ug/l	0.00
Spiked Amount			Recovery	=	10.60%	
62) 4-Bromofluorobenzene	11.14	95	15609	4.75	ug/l	0.00
Spiked Amount			Recovery	=	9.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	11574	8.640	ug/l	94
3) Chloromethane	1.32	50	12935	9.774	ug/l	99
4) Vinyl Chloride	1.40	62	12961	9.274	ug/l	97
5) Bromomethane	1.62	94	4980	8.892	ug/l	95
6) Chloroethane	1.70	64	10267	9.550	ug/l	98
7) Trichlorofluoromethane	1.92	101	18597	7.839	ug/l	96
8) Diethyl Ether	2.18	74	7495	7.106	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	11369	6.812	ug/l	97
10) Methyl Iodide	2.50	142	6964	5.066	ug/l	98
11) Tert butyl alcohol	3.03	59	17985	23.367	ug/l	98
12) 1,1-Dichloroethene	2.36	96	11012	7.843	ug/l	93
13) Acrolein	2.28	56	6970	22.425	ug/l	99
14) Allyl chloride	2.72	41	21076	6.739	ug/l	99
15) Acrylonitrile	3.13	53	35844	28.045	ug/l	100
16) Acetone	2.44	43	37810	25.465	ug/l	97
17) Carbon Disulfide	2.56	76	28762	12.840	ug/l	99
18) Methyl Acetate	2.76	43	18050	5.879	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	40503	5.738	ug/l	98
20) Methylene Chloride	2.84	84	13051	6.990	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	11965	8.141	ug/l	98
22) Diisopropyl ether	3.84	45	40691	5.762	ug/l	93
23) Vinyl Acetate	3.80	43	175132	29.831	ug/l	100
24) 1,1-Dichloroethane	3.69	63	22323	6.454	ug/l	97
25) 2-Butanone	4.66	43	54665	26.938	ug/l	95
26) 2,2-Dichloropropane	4.58	77	19295	5.777	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	13073	6.294	ug/l	91
28) Bromochloromethane	5.00	49	8729	5.140	ug/l	99
29) Tetrahydrofuran	5.12	42	33042	29.116	ug/l	99
30) Chloroform	5.20	83	23207	5.971	ug/l	98
31) Cyclohexane	5.57	56	20896	8.865	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	20276	6.174	ug/l	99
36) 1,1-Dichloropropene	5.79	75	16627	7.223	ug/l	99
37) Ethyl Acetate	4.82	43	19137	5.728	ug/l	98
38) Carbon Tetrachloride	5.77	117	17099	6.188	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	20070	8.560	ug/l	98
40) Benzene	6.14	78	49517	6.840	ug/l	95
41) Methacrylonitrile	5.04	41	10540	4.970	ug/l	97
42) 1,2-Dichloroethane	6.18	62	19069	5.891	ug/l	96
43) Isopropyl Acetate	6.43	43	31881	5.367	ug/l	100
44) Trichloroethene	7.21	130	12809	6.807	ug/l	100
45) 1,2-Dichloropropane	7.51	63	12210	5.680	ug/l	95
46) Dibromomethane	7.65	93	8236	5.880	ug/l	99
47) Bromodichloromethane	7.89	83	16369	5.353	ug/l	99
48) Methyl methacrylate	7.76	41	15255	5.415	ug/l	99
49) 1,4-Dioxane	7.74	88	7182	105.084	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	99746	25.835	ug/l	98
52) Toluene	8.78	92	30867	6.660	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	16971	5.286	ug/l	93
54) cis-1,3-Dichloropropene	8.43	75	19846	5.914	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	12345	5.407	ug/l	90
56) Ethyl methacrylate	9.17	69	19475	5.393	ug/l	97
57) 1,3-Dichloropropane	9.37	76	21297	5.781	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	44877	24.292	ug/l	99
59) 2-Hexanone	9.49	43	74987	24.866	ug/l	99
60) Dibromochloromethane	9.57	129	10871	4.703	ug/l	91
61) 1,2-Dibromoethane	9.67	107	12438	5.863	ug/l	99
64) Tetrachloroethene	9.33	164	10963	7.234	ug/l	89
65) Chlorobenzene	10.14	112	32580	6.164	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	11456	5.371	ug/l	98
67) Ethyl Benzene	10.25	91	58856	6.430	ug/l	99
68) m/p-Xylenes	10.35	106	43892	13.096	ug/l	99
69) o-Xylene	10.70	106	21680	6.377	ug/l	98
70) Styrene	10.71	104	34811	5.827	ug/l	97
71) Bromoform	10.85	173	7011	4.456	ug/l #	98
73) Isopropylbenzene	11.01	105	56731	6.507	ug/l	99
74) N-amyl acetate	10.89	43	25853	5.619	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	18773	5.644	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	18334m	5.871	ug/l	
77) Bromobenzene	11.25	156	12593	6.001	ug/l	99
78) n-propylbenzene	11.35	91	61909	6.369	ug/l	99
79) 2-Chlorotoluene	11.42	91	39366	6.251	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	47200	6.369	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	5299	4.985	ug/l	87
82) 4-Chlorotoluene	11.51	91	44040	6.100	ug/l	100
83) tert-Butylbenzene	11.77	119	45001	5.772	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	45969	6.052	ug/l	99
85) sec-Butylbenzene	11.94	105	52036	6.001	ug/l	100
86) p-Isopropyltoluene	12.06	119	46473	5.844	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	22678	5.777	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	22209	5.520	ug/l	91
89) n-Butylbenzene	12.39	91	38808	5.482	ug/l	99
90) Hexachloroethane	12.59	117	7532	5.222	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	22580	5.550	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	4395	5.117	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	12974	5.024	ug/l	97
94) Hexachlorobutadiene	13.78	225	5560	4.604	ug/l	96
95) Naphthalene	13.83	128	46416	5.016	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	13292	5.046	ug/l	98

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

