

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091619\
 Data File : VX012404.D
 Acq On : 16 Sep 2019 13:11
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 5:04:07 PM

Quant Time: Sep 17 04:30:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:04:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	122837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	196126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	186686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109473	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	45709	30.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.90%	
35) Dibromofluoromethane	5.49	113	33351	23.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.76%	
50) Toluene-d8	8.71	98	122689	25.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.22%	
62) 4-Bromofluorobenzene	11.13	95	47297	24.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	23329	20.470	ug/l	100
3) Chloromethane	1.32	50	19315	19.153	ug/l	100
4) Vinyl Chloride	1.40	62	20696	20.260	ug/l	99
5) Bromomethane	1.63	94	10471	19.677	ug/l	96
6) Chloroethane	1.72	64	13771	22.871	ug/l	92
7) Trichlorofluoromethane	1.92	101	38956	23.236	ug/l	99
8) Diethyl Ether	2.18	74	15747	26.391	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27833	26.151	ug/l	99
10) Methyl Iodide	2.50	142	23619	19.259	ug/l	99
11) Tert butyl alcohol	3.03	59	62591	194.327	ug/l	97
12) 1,1-Dichloroethene	2.36	96	21583	21.492	ug/l	94
13) Acrolein	2.28	56	26314	200.807	ug/l	100
14) Allyl chloride	2.72	41	49506	29.415	ug/l	100
15) Acrylonitrile	3.13	53	102649	159.510	ug/l	99
16) Acetone	2.43	43	105943	168.574	ug/l	96
17) Carbon Disulfide	2.56	76	29601	12.904	ug/l	99
18) Methyl Acetate	2.76	43	48382	29.664	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	114710	31.963	ug/l	96
20) Methylene Chloride	2.85	84	28621	24.459	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	23537	22.016	ug/l	98
22) Diisopropyl ether	3.85	45	112007	32.647	ug/l	97
23) Vinyl Acetate	3.80	43	473475	165.809	ug/l	98
24) 1,1-Dichloroethane	3.69	63	56841	29.525	ug/l	99
25) 2-Butanone	4.66	43	156983	170.869	ug/l	97
26) 2,2-Dichloropropane	4.57	77	53609	31.686	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	34015	26.318	ug/l	98
28) Bromochloromethane	5.00	49	27608	30.992	ug/l	98
29) Tetrahydrofuran	5.12	42	92739	162.321	ug/l	99
30) Chloroform	5.20	83	63526	29.990	ug/l	96
31) Cyclohexane	5.57	56	34486	22.021	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	54925	30.064	ug/l	99
36) 1,1-Dichloropropene	5.79	75	34921	21.927	ug/l	99
37) Ethyl Acetate	4.83	43	55629	30.310	ug/l	98
38) Carbon Tetrachloride	5.77	117	43865	23.661	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	35451	18.751	ug/l	97
40) Benzene	6.14	78	113188	22.696	ug/l	99
41) Methacrylonitrile	5.03	41	31656	29.169	ug/l	96
42) 1,2-Dichloroethane	6.18	62	50886	26.805	ug/l	100
43) Isopropyl Acetate	6.43	43	92067	30.481	ug/l	99
44) Trichloroethene	7.21	130	29991	20.085	ug/l	98
45) 1,2-Dichloropropane	7.51	63	33692	26.142	ug/l	94
46) Dibromomethane	7.65	93	22067	23.613	ug/l	99
47) Bromodichloromethane	7.89	83	49141	27.802	ug/l	99
48) Methyl methacrylate	7.76	41	42941	29.051	ug/l	98
49) 1,4-Dioxane	7.73	88	21685	540.508	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	306750	153.987	ug/l	99
52) Toluene	8.78	92	73055	22.696	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	50612	27.400	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	53725	27.024	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	36278	26.077	ug/l	98
56) Ethyl methacrylate	9.17	69	54774	27.309	ug/l	99
57) 1,3-Dichloropropane	9.37	76	59357	26.112	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	151081	142.037	ug/l	99
59) 2-Hexanone	9.49	43	232999	152.953	ug/l	99
60) Dibromochloromethane	9.58	129	38650	25.602	ug/l	99
61) 1,2-Dibromoethane	9.67	107	33711	23.219	ug/l	97
64) Tetrachloroethene	9.33	164	24935	17.265	ug/l	96
65) Chlorobenzene	10.14	112	83685	21.906	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	36264	24.789	ug/l	98
67) Ethyl Benzene	10.25	91	144668	22.736	ug/l	95
68) m/p-Xylenes	10.35	106	107417	44.328	ug/l	99
69) o-Xylene	10.70	106	55988	23.233	ug/l	99
70) Styrene	10.71	104	96321	23.599	ug/l	98
71) Bromoform	10.85	173	27039	21.898	ug/l #	100
73) Isopropylbenzene	11.01	105	153813	22.425	ug/l	100
74) N-amyl acetate	10.89	43	78196	27.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	61129	25.787	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	57548m	27.157	ug/l	
77) Bromobenzene	11.25	156	38039	19.241	ug/l	99
78) n-propylbenzene	11.35	91	171893	23.288	ug/l	99
79) 2-Chlorotoluene	11.42	91	109789	23.714	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	134119	23.304	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	17974	25.349	ug/l	97
82) 4-Chlorotoluene	11.51	91	127671	23.816	ug/l	99
83) tert-Butylbenzene	11.77	119	140908	24.526	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	135888	23.325	ug/l	98
85) sec-Butylbenzene	11.94	105	157377	23.929	ug/l	100
86) p-Isopropyltoluene	12.06	119	145172	23.225	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	71653	20.914	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	71971	20.655	ug/l	98
89) n-Butylbenzene	12.38	91	124116	23.640	ug/l	98
90) Hexachloroethane	12.59	117	26190	25.797	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	74914	21.481	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15739	27.728	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	49249	19.607	ug/l	96
94) Hexachlorobutadiene	13.78	225	23313	17.103	ug/l	98
95) Naphthalene	13.83	128	171161	23.422	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	49735	19.623	ug/l	99

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

