

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100119\
 Data File : VX012748.D
 Acq On : 01 Oct 2019 21:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 10:07:36 AM

Quant Time: Oct 02 05:26:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	173019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	269820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	127643	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	114912	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
35) Dibromofluoromethane	5.48	113	89937	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	8.71	98	334756	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.14	95	127502	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	82804	42.542	ug/l	98
3) Chloromethane	1.32	50	93959	42.039	ug/l	100
4) Vinyl Chloride	1.40	62	99826	44.935	ug/l	99
5) Bromomethane	1.62	94	38695	44.301	ug/l	99
6) Chloroethane	1.71	64	64198	42.866	ug/l	99
7) Trichlorofluoromethane	1.92	101	142365	45.643	ug/l	99
8) Diethyl Ether	2.18	74	58116	45.466	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	88601	46.638	ug/l	98
10) Methyl Iodide	2.50	142	95352	47.877	ug/l	94
11) Tert butyl alcohol	3.04	59	147987	235.129	ug/l	99
12) 1,1-Dichloroethene	2.36	96	89492	48.107	ug/l	96
13) Acrolein	2.28	56	76849	220.450	ug/l	98
14) Allyl chloride	2.72	41	168422	45.633	ug/l	97
15) Acrylonitrile	3.13	53	305204	239.021	ug/l	98
16) Acetone	2.44	43	257576	193.009	ug/l	95
17) Carbon Disulfide	2.56	76	225530	43.245	ug/l	99
18) Methyl Acetate	2.76	43	150864	48.010	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	335835	47.695	ug/l	99
20) Methylene Chloride	2.84	84	105360	46.678	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	96521	46.834	ug/l	96
22) Diisopropyl ether	3.84	45	334609	46.919	ug/l	98
23) Vinyl Acetate	3.80	43	1455330	232.703	ug/l	97
24) 1,1-Dichloroethane	3.69	63	185182	47.770	ug/l	99
25) 2-Butanone	4.66	43	421413	220.230	ug/l	97
26) 2,2-Dichloropropane	4.57	77	135288	39.239	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	115017	48.098	ug/l	90
28) Bromochloromethane	5.00	49	65266	46.368	ug/l	96
29) Tetrahydrofuran	5.12	42	271032	232.387	ug/l	96
30) Chloroform	5.20	83	187054	47.164	ug/l	99
31) Cyclohexane	5.57	56	161106	45.939	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	163814	46.605	ug/l	99
36) 1,1-Dichloropropene	5.79	75	136857	46.617	ug/l	98
37) Ethyl Acetate	4.82	43	160491	46.760	ug/l	96
38) Carbon Tetrachloride	5.78	117	140927	47.256	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	162164	45.883	ug/l	97
40) Benzene	6.14	78	414243	47.957	ug/l	99
41) Methacrylonitrile	5.03	41	89719	46.590	ug/l	94
42) 1,2-Dichloroethane	6.18	62	151871	46.300	ug/l	98
43) Isopropyl Acetate	6.43	43	263683	45.940	ug/l	97
44) Trichloroethene	7.21	130	106771	48.351	ug/l	98
45) 1,2-Dichloropropane	7.51	63	108477	49.052	ug/l	99
46) Dibromomethane	7.65	93	71481	47.473	ug/l	97
47) Bromodichloromethane	7.89	83	143679	47.744	ug/l	100
48) Methyl methacrylate	7.76	41	128546	46.707	ug/l	93
49) 1,4-Dioxane	7.73	88	59644	955.462	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	824217	232.630	ug/l	95
52) Toluene	8.78	92	260766	48.032	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	156443	46.986	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	171836	47.268	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	104326	48.335	ug/l	98
56) Ethyl methacrylate	9.17	69	177755	49.021	ug/l	90
57) 1,3-Dichloropropane	9.37	76	183544	48.588	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	417302	256.380	ug/l	99
59) 2-Hexanone	9.49	43	632118	233.083	ug/l	94
60) Dibromochloromethane	9.58	129	111335	50.956	ug/l	98
61) 1,2-Dibromoethane	9.67	107	111725	49.737	ug/l	100
64) Tetrachloroethene	9.33	164	95563	50.798	ug/l	96
65) Chlorobenzene	10.14	112	272704	47.996	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	102511	49.795	ug/l	99
67) Ethyl Benzene	10.25	91	499884	48.507	ug/l	99
68) m/p-Xylenes	10.35	106	373293	96.698	ug/l	100
69) o-Xylene	10.70	106	182302	48.804	ug/l	100
70) Styrene	10.71	104	312934	49.972	ug/l	99
71) Bromoform	10.85	173	72269	50.416	ug/l	97
73) Isopropylbenzene	11.01	105	484078	46.563	ug/l	99
74) N-amyl acetate	10.89	43	227201	45.810	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	164153	47.677	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	172652m	51.134	ug/l	
77) Bromobenzene	11.25	156	112900	47.983	ug/l	98
78) n-propylbenzene	11.35	91	536047	45.800	ug/l	99
79) 2-Chlorotoluene	11.42	91	331442	45.395	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	410679	47.107	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	50559	42.912	ug/l	96
82) 4-Chlorotoluene	11.51	91	388211	46.642	ug/l	99
83) tert-Butylbenzene	11.76	119	395675	47.050	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	423233	48.125	ug/l	99
85) sec-Butylbenzene	11.94	105	460921	47.122	ug/l	100
86) p-Isopropyltoluene	12.06	119	425755	48.239	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	204319	48.253	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	203370	47.530	ug/l	99
89) n-Butylbenzene	12.38	91	358278	46.067	ug/l	99
90) Hexachloroethane	12.59	117	75425	47.935	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	204198	48.169	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41353	48.014	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	129141	49.952	ug/l	99
94) Hexachlorobutadiene	13.78	225	55075	49.519	ug/l	98
95) Naphthalene	13.83	128	478213	51.126	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	130783	50.500	ug/l	98

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

