

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022619\
 Data File : VX007728.D
 Acq On : 26 Feb 2019 21:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 10:07:08 AM

Quant Time: Feb 27 01:04:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	335061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	536769	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	486427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	203616	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	5.50	113	181470	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	8.71	98	674451	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.13	95	237127	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	151479	49.077	ug/l	100
3) Chloromethane	1.33	50	161174	47.122	ug/l	99
4) Vinyl Chloride	1.41	62	166858	47.550	ug/l	99
5) Bromomethane	1.64	94	105215	47.525	ug/l	99
6) Chloroethane	1.71	64	108417	48.358	ug/l	97
7) Trichlorofluoromethane	1.93	101	265303	49.317	ug/l	98
8) Diethyl Ether	2.19	74	102230	46.304	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	149956	46.120	ug/l	93
10) Methyl Iodide	2.51	142	211845	52.325	ug/l	97
11) Tert butyl alcohol	3.08	59	192863	244.916	ug/l	99
12) 1,1-Dichloroethene	2.37	96	146723	50.062	ug/l	96
13) Acrolein	2.30	56	300387	429.276	ug/l	100
14) Allyl chloride	2.73	41	260004	47.978	ug/l	97
15) Acrylonitrile	3.15	53	456164	246.157	ug/l	99
16) Acetone	2.45	43	406902	220.464	ug/l	98
17) Carbon Disulfide	2.57	76	390866	47.936	ug/l	98
18) Methyl Acetate	2.78	43	220347	54.712	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	506125	49.590	ug/l	98
20) Methylene Chloride	2.86	84	159821	46.895	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	153467	48.166	ug/l	98
22) Diisopropyl ether	3.87	45	554687	49.169	ug/l	99
23) Vinyl Acetate	3.82	43	2442609	246.787	ug/l	100
24) 1,1-Dichloroethane	3.70	63	303973	49.579	ug/l	99
25) 2-Butanone	4.70	43	676411	240.594	ug/l	100
26) 2,2-Dichloropropane	4.59	77	198977	40.657	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	197623	48.745	ug/l	99
28) Bromochloromethane	5.02	49	146267	49.004	ug/l	92
29) Tetrahydrofuran	5.15	42	456156	246.143	ug/l	99
30) Chloroform	5.21	83	320707	48.833	ug/l	96
31) Cyclohexane	5.57	56	271662	47.105	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	271760	50.035	ug/l	98
36) 1,1-Dichloropropene	5.80	75	233454	48.377	ug/l	98
37) Ethyl Acetate	4.85	43	265520	49.532	ug/l	100
38) Carbon Tetrachloride	5.78	117	235147	48.509	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	284384	46.628	ug/l	99
40) Benzene	6.14	78	726255	48.753	ug/l	99
41) Methacrylonitrile	5.06	41	145621	50.872	ug/l	98
42) 1,2-Dichloroethane	6.20	62	244390	48.810	ug/l	99
43) Isopropyl Acetate	6.46	43	409274	49.607	ug/l	100
44) Trichloroethene	7.21	130	195735	47.764	ug/l	95
45) 1,2-Dichloropropane	7.52	63	185370	48.038	ug/l	96
46) Dibromomethane	7.66	93	128352	47.677	ug/l	91
47) Bromodichloromethane	7.90	83	234688	50.305	ug/l	99
48) Methyl methacrylate	7.77	41	211325	48.865	ug/l	100
49) 1,4-Dioxane	7.75	88	90454	968.403	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1365962	247.342	ug/l	99
52) Toluene	8.78	92	455316	48.470	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	257358	44.688	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	280302	49.510	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	190560	48.647	ug/l	98
56) Ethyl methacrylate	9.18	69	278974	50.080	ug/l	99
57) 1,3-Dichloropropane	9.37	76	311398	49.660	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	765853	249.310	ug/l	97
59) 2-Hexanone	9.49	43	1066444	245.967	ug/l	99
60) Dibromochloromethane	9.58	129	193715	51.393	ug/l	97
61) 1,2-Dibromoethane	9.67	107	203499	50.036	ug/l	98
64) Tetrachloroethene	9.34	164	180823	45.791	ug/l	97
65) Chlorobenzene	10.14	112	504830	47.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	181410	49.434	ug/l	99
67) Ethyl Benzene	10.25	91	854662	49.040	ug/l	99
68) m/p-Xylenes	10.36	106	676651	99.802	ug/l	96
69) o-Xylene	10.70	106	325618	49.930	ug/l	97
70) Styrene	10.71	104	538978	50.281	ug/l	98
71) Bromoform	10.86	173	134400	48.839	ug/l	# 99
73) Isopropylbenzene	11.02	105	867564	48.170	ug/l	100
74) N-amyl acetate	10.90	43	387965	49.604	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	289603	46.491	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	272260m	50.687	ug/l	
77) Bromobenzene	11.26	156	215126	47.621	ug/l	89
78) n-propylbenzene	11.36	91	1003851	49.324	ug/l	97
79) 2-Chlorotoluene	11.42	91	592548	48.354	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	745248	50.305	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	80003	40.520	ug/l	97
82) 4-Chlorotoluene	11.51	91	715517	49.912	ug/l	95
83) tert-Butylbenzene	11.77	119	713164	50.138	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	766494	50.581	ug/l	97
85) sec-Butylbenzene	11.94	105	889481	49.903	ug/l	98
86) p-Isopropyltoluene	12.06	119	784004	50.225	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	396159	47.278	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	406634	47.384	ug/l	98
89) n-Butylbenzene	12.38	91	688647	49.467	ug/l	98
90) Hexachloroethane	12.60	117	127061	48.309	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	399116	47.604	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	64258	47.343	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	242224	47.330	ug/l	97
94) Hexachlorobutadiene	13.78	225	107047	45.723	ug/l	99
95) Naphthalene	13.83	128	847763	51.130	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	249415	48.537	ug/l	98

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

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