

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021819\
 Data File : VX007577.D
 Acq On : 18 Feb 2019 09:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 11:01:07 AM

Quant Time: Feb 19 04:26:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	513182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	733647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	653864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	351660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	251805	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
35) Dibromofluoromethane	5.50	113	233587	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	8.71	98	843809	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	11.13	95	306453	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	285806	45.338	ug/l	100
3) Chloromethane	1.33	50	244736	42.340	ug/l	99
4) Vinyl Chloride	1.41	62	274433	48.396	ug/l	98
5) Bromomethane	1.64	94	261571	46.618	ug/l	97
6) Chloroethane	1.71	64	173941	47.418	ug/l	99
7) Trichlorofluoromethane	1.93	101	442205	49.850	ug/l	99
8) Diethyl Ether	2.19	74	159729	47.840	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	263921	50.017	ug/l	98
10) Methyl Iodide	2.51	142	330123	42.530	ug/l	100
11) Tert butyl alcohol	3.07	59	281437	249.664	ug/l	99
12) 1,1-Dichloroethene	2.37	96	229643	46.867	ug/l	98
13) Acrolein	2.29	56	182042	344.383	ug/l	99
14) Allyl chloride	2.73	41	410265	51.388	ug/l	99
15) Acrylonitrile	3.15	53	694907	249.194	ug/l	100
16) Acetone	2.45	43	731471	293.159	ug/l	99
17) Carbon Disulfide	2.57	76	556535	43.715	ug/l	99
18) Methyl Acetate	2.78	43	392636	60.272	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	804732	50.695	ug/l	100
20) Methylene Chloride	2.86	84	251029	49.249	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	240204	46.020	ug/l	98
22) Diisopropyl ether	3.87	45	787761	53.642	ug/l	97
23) Vinyl Acetate	3.82	43	3410006	279.822	ug/l	99
24) 1,1-Dichloroethane	3.70	63	446506	52.944	ug/l	99
25) 2-Butanone	4.70	43	963346	271.298	ug/l	99
26) 2,2-Dichloropropane	4.59	77	357505	55.664	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	274821	48.205	ug/l	99
28) Bromochloromethane	5.02	49	195885	50.508	ug/l	98
29) Tetrahydrofuran	5.15	42	591418	264.823	ug/l	100
30) Chloroform	5.21	83	452354	51.402	ug/l	100
31) Cyclohexane	5.57	56	364190	48.081	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	388752	52.334	ug/l	98
36) 1,1-Dichloropropene	5.80	75	321816	48.889	ug/l	100
37) Ethyl Acetate	4.85	43	344215	51.729	ug/l	100
38) Carbon Tetrachloride	5.78	117	354578	55.523	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	405540	50.920	ug/l	97
40) Benzene	6.14	78	976332	50.352	ug/l	99
41) Methacrylonitrile	5.06	41	195414	54.795	ug/l	99
42) 1,2-Dichloroethane	6.20	62	336554	50.165	ug/l	99
43) Isopropyl Acetate	6.46	43	568164	55.318	ug/l	99
44) Trichloroethene	7.21	130	289579	49.586	ug/l	98
45) 1,2-Dichloropropane	7.51	63	254480	52.381	ug/l	99
46) Dibromomethane	7.66	93	175259	49.634	ug/l	99
47) Bromodichloromethane	7.90	83	335141	56.004	ug/l	99
48) Methyl methacrylate	7.77	41	285179	55.510	ug/l	100
49) 1,4-Dioxane	7.75	88	114919	983.720	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1797513	265.853	ug/l	100
52) Toluene	8.78	92	622285	49.741	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	375528	58.421	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	404578	57.234	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	269176	51.617	ug/l	98
56) Ethyl methacrylate	9.18	69	388086	53.732	ug/l	99
57) 1,3-Dichloropropane	9.37	76	423897	51.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1274566	334.801	ug/l	99
59) 2-Hexanone	9.49	43	1406861	267.391	ug/l	99
60) Dibromochloromethane	9.58	129	294202	59.651	ug/l	98
61) 1,2-Dibromoethane	9.67	107	284287	51.477	ug/l	99
64) Tetrachloroethene	9.34	164	300324	48.731	ug/l	98
65) Chlorobenzene	10.13	112	726341	50.905	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	277365	57.980	ug/l	99
67) Ethyl Benzene	10.25	91	1215944	52.918	ug/l	100
68) m/p-Xylenes	10.36	106	953466	104.387	ug/l	100
69) o-Xylene	10.69	106	464442	52.843	ug/l	99
70) Styrene	10.71	104	756408	53.066	ug/l	100
71) Bromoform	10.85	173	226472	53.656	ug/l #	99
73) Isopropylbenzene	11.02	105	1275068	53.356	ug/l	100
74) N-amyl acetate	10.90	43	497592	53.834	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	387172	53.162	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	375076m	54.834	ug/l	
77) Bromobenzene	11.26	156	337084	50.063	ug/l	99
78) n-propylbenzene	11.36	91	1438607	54.899	ug/l	99
79) 2-Chlorotoluene	11.42	91	821241	51.649	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1045964	53.500	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	125463	56.127	ug/l	93
82) 4-Chlorotoluene	11.51	91	974068	52.943	ug/l	100
83) tert-Butylbenzene	11.77	119	1048391	54.162	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1060574	53.433	ug/l	100
85) sec-Butylbenzene	11.94	105	1291038	55.108	ug/l	100
86) p-Isopropyltoluene	12.06	119	1160877	54.893	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	612282	50.670	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	615274	50.187	ug/l	99
89) n-Butylbenzene	12.39	91	1028772	56.550	ug/l	100
90) Hexachloroethane	12.60	117	196120	61.964	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	609645	50.695	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	84879	56.050	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	437281	53.919	ug/l	99
94) Hexachlorobutadiene	13.78	225	214761	54.536	ug/l	99
95) Naphthalene	13.83	128	1285654	54.210	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	431566	52.866	ug/l	98

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

