

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042919\
 Data File : VX009198.D
 Acq On : 29 Apr 2019 10:26
 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
 4/30/2019 11:03:14 AM

Quant Time: Apr 30 07:27:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	214176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	340013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154666	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	127593	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	
35) Dibromofluoromethane	5.49	113	96228	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
50) Toluene-d8	8.71	98	383108	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
62) 4-Bromofluorobenzene	11.13	95	143886	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	127604	64.653	ug/l	100
3) Chloromethane	1.32	50	149817	55.600	ug/l	99
4) Vinyl Chloride	1.41	62	145934	55.540	ug/l	99
5) Bromomethane	1.64	94	83236	52.779	ug/l	99
6) Chloroethane	1.71	64	88740	52.603	ug/l	99
7) Trichlorofluoromethane	1.93	101	175825	55.050	ug/l	99
8) Diethyl Ether	2.19	74	78870	52.132	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111701	55.692	ug/l	99
10) Methyl Iodide	2.51	142	109814	47.387	ug/l	100
11) Tert butyl alcohol	3.04	59	170325	251.670	ug/l	100
12) 1,1-Dichloroethene	2.37	96	108228	53.856	ug/l	94
13) Acrolein	2.29	56	140368	229.018	ug/l	100
14) Allyl chloride	2.73	41	260312	53.153	ug/l	100
15) Acrylonitrile	3.14	53	421257	254.571	ug/l	99
16) Acetone	2.44	43	415973	264.961	ug/l	99
17) Carbon Disulfide	2.57	76	314684	55.775	ug/l	99
18) Methyl Acetate	2.77	43	195390	52.332	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	421136	53.966	ug/l	100
20) Methylene Chloride	2.85	84	131637	51.786	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	117088	53.725	ug/l	99
22) Diisopropyl ether	3.85	45	504203	53.535	ug/l	95
23) Vinyl Acetate	3.81	43	2233438	276.932	ug/l	100
24) 1,1-Dichloroethane	3.70	63	246748	53.108	ug/l	99
25) 2-Butanone	4.67	43	644121	264.023	ug/l	99
26) 2,2-Dichloropropane	4.58	77	193325	55.902	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	138246	53.144	ug/l	99
28) Bromochloromethane	5.01	49	92668	49.521	ug/l	99
29) Tetrahydrofuran	5.12	42	403847	257.244	ug/l	100
30) Chloroform	5.21	83	223526	53.194	ug/l	100
31) Cyclohexane	5.57	56	242210	56.033	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	188717	53.949	ug/l	99
36) 1,1-Dichloropropene	5.79	75	175571	55.564	ug/l	99
37) Ethyl Acetate	4.83	43	233754	53.095	ug/l	99
38) Carbon Tetrachloride	5.78	117	158988	55.380	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	226277	58.311	ug/l	99
40) Benzene	6.14	78	532031	54.405	ug/l	98
41) Methacrylonitrile	5.04	41	133670	51.006	ug/l	99
42) 1,2-Dichloroethane	6.19	62	187455	53.438	ug/l	100
43) Isopropyl Acetate	6.44	43	379113	53.836	ug/l	99
44) Trichloroethene	7.21	130	129125	54.619	ug/l	98
45) 1,2-Dichloropropane	7.51	63	151236	54.617	ug/l	98
46) Dibromomethane	7.66	93	85765	53.337	ug/l	99
47) Bromodichloromethane	7.90	83	178097	55.525	ug/l	100
48) Methyl methacrylate	7.77	41	190919	54.646	ug/l	100
49) 1,4-Dioxane	7.74	88	69621	982.618	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1218271	264.678	ug/l	100
52) Toluene	8.78	92	325599	54.774	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	209620	57.885	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	228335	56.966	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	129093	53.231	ug/l	97
56) Ethyl methacrylate	9.18	69	239486	55.321	ug/l	100
57) 1,3-Dichloropropane	9.37	76	229236	53.715	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	596548	259.761	ug/l	99
59) 2-Hexanone	9.49	43	960690	265.750	ug/l	100
60) Dibromochloromethane	9.58	129	133976	56.563	ug/l	99
61) 1,2-Dibromoethane	9.67	107	133800	54.656	ug/l	100
64) Tetrachloroethene	9.34	164	116342	55.243	ug/l	99
65) Chlorobenzene	10.13	112	336784	54.835	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	123166	55.314	ug/l	100
67) Ethyl Benzene	10.25	91	629300	55.674	ug/l	100
68) m/p-Xylenes	10.36	106	462707	112.021	ug/l	98
69) o-Xylene	10.69	106	225352	55.296	ug/l	100
70) Styrene	10.71	104	397017	56.049	ug/l	99
71) Bromoform	10.85	173	102023	56.382	ug/l #	99
73) Isopropylbenzene	11.02	105	605896	53.871	ug/l	99
74) N-amyl acetate	10.90	43	350165	53.402	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	214869	51.248	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	186482m	51.978	ug/l	
77) Bromobenzene	11.26	156	146256	52.392	ug/l	99
78) n-propylbenzene	11.36	91	714340	55.613	ug/l	99
79) 2-Chlorotoluene	11.42	91	419541	52.942	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	519725	54.880	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	77779	55.470	ug/l	97
82) 4-Chlorotoluene	11.51	91	486243	54.314	ug/l	99
83) tert-Butylbenzene	11.77	119	494779	53.708	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	522269	54.943	ug/l	99
85) sec-Butylbenzene	11.94	105	598298	54.779	ug/l	99
86) p-Isopropyltoluene	12.06	119	550686	56.084	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	269156	54.085	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	269582	53.731	ug/l	99
89) n-Butylbenzene	12.38	91	516430	58.191	ug/l	100
90) Hexachloroethane	12.60	117	93491	55.888	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	269724	53.213	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51585	54.845	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	202088	58.302	ug/l	100
94) Hexachlorobutadiene	13.78	225	101536	57.363	ug/l	100
95) Naphthalene	13.83	128	637595	56.539	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	202298	57.576	ug/l	100

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

