

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX031119\
 Data File : VX008008.D
 Acq On : 12 Mar 2019 11:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 11:48:44 AM

Quant Time: Mar 12 13:49:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150689	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	122706	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
35) Dibromofluoromethane	5.50	113	110318	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
50) Toluene-d8	8.71	98	408724	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.13	95	143391	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	87760	44.727	ug/l	98
3) Chloromethane	1.33	50	115854	45.818	ug/l	99
4) Vinyl Chloride	1.41	62	122601	48.797	ug/l	100
5) Bromomethane	1.64	94	63767	54.178	ug/l	99
6) Chloroethane	1.72	64	76629	45.911	ug/l	98
7) Trichlorofluoromethane	1.93	101	162212	49.589	ug/l	99
8) Diethyl Ether	2.19	74	72495	51.179	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	96887	47.796	ug/l	99
10) Methyl Iodide	2.51	142	154505	53.727	ug/l	99
11) Tert butyl alcohol	3.08	59	138252	255.172	ug/l	100
12) 1,1-Dichloroethene	2.37	96	97883	50.094	ug/l	99
13) Acrolein	2.30	56	17072	56.878	ug/l	95
14) Allyl chloride	2.73	41	186026	45.307	ug/l	99
15) Acrylonitrile	3.15	53	330738	241.847	ug/l	100
16) Acetone	2.45	43	275496	196.463	ug/l	99
17) Carbon Disulfide	2.57	76	289963	48.857	ug/l	100
18) Methyl Acetate	2.78	43	160345	53.824	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	346688	51.574	ug/l	100
20) Methylene Chloride	2.86	84	109203	48.932	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	105806	49.212	ug/l	96
22) Diisopropyl ether	3.87	45	366738	48.726	ug/l	99
23) Vinyl Acetate	3.82	43	1494453	226.424	ug/l	99
24) 1,1-Dichloroethane	3.70	63	199190	49.178	ug/l	100
25) 2-Butanone	4.70	43	448491	225.910	ug/l	97
26) 2,2-Dichloropropane	4.59	77	82596	30.780	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	121343	49.322	ug/l	94
28) Bromochloromethane	5.02	49	93120	49.313	ug/l	95
29) Tetrahydrofuran	5.15	42	300346	242.540	ug/l	98
30) Chloroform	5.21	83	192851	50.334	ug/l	99
31) Cyclohexane	5.57	56	179033	48.093	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	163483	51.426	ug/l	98
36) 1,1-Dichloropropene	5.80	75	145064	47.105	ug/l	99
37) Ethyl Acetate	4.85	43	169130	46.280	ug/l	98
38) Carbon Tetrachloride	5.78	117	144269	49.346	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170725	45.751	ug/l	98
40) Benzene	6.14	78	451597	49.258	ug/l	100
41) Methacrylonitrile	5.06	41	95619	47.991	ug/l	98
42) 1,2-Dichloroethane	6.20	62	146146	48.744	ug/l	99
43) Isopropyl Acetate	6.46	43	263183	48.661	ug/l	99
44) Trichloroethene	7.21	130	124492	49.274	ug/l	100
45) 1,2-Dichloropropane	7.52	63	119907	49.519	ug/l	100
46) Dibromomethane	7.66	93	75637	49.358	ug/l	99
47) Bromodichloromethane	7.90	83	143937	49.541	ug/l	99
48) Methyl methacrylate	7.77	41	139182	48.946	ug/l	98
49) 1,4-Dioxane	7.75	88	57620	986.413	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	850179	244.427	ug/l	99
52) Toluene	8.79	92	282665	50.500	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	148134	48.849	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	165001	48.183	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	115782	51.099	ug/l	99
56) Ethyl methacrylate	9.18	69	176290	51.819	ug/l	97
57) 1,3-Dichloropropane	9.37	76	191013	50.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	466404	265.030	ug/l	99
59) 2-Hexanone	9.49	43	630777	233.583	ug/l	99
60) Dibromochloromethane	9.59	129	121992	51.509	ug/l	99
61) 1,2-Dibromoethane	9.67	107	123002	51.129	ug/l	99
64) Tetrachloroethene	9.34	164	131575	53.215	ug/l	98
65) Chlorobenzene	10.14	112	308560	49.421	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	114316	51.087	ug/l	99
67) Ethyl Benzene	10.25	91	520461	50.641	ug/l	99
68) m/p-Xylenes	10.36	106	400878	101.195	ug/l	100
69) o-Xylene	10.69	106	193656	50.635	ug/l	100
70) Styrene	10.71	104	322324	51.502	ug/l	100
71) Bromoform	10.85	173	96233	50.078	ug/l #	100
73) Isopropylbenzene	11.02	105	517950	50.823	ug/l	100
74) N-amyl acetate	10.90	43	214056	46.008	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	166518	47.369	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	137874m	43.602	ug/l	
77) Bromobenzene	11.26	156	139233	49.831	ug/l	98
78) n-propylbenzene	11.36	91	569710	50.390	ug/l	100
79) 2-Chlorotoluene	11.42	91	341152	49.351	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	428839	51.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	41426	41.877	ug/l	99
82) 4-Chlorotoluene	11.51	91	392306	49.521	ug/l	99
83) tert-Butylbenzene	11.77	119	420318	49.747	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	438108	50.950	ug/l	100
85) sec-Butylbenzene	11.94	105	507054	50.955	ug/l	100
86) p-Isopropyltoluene	12.06	119	457334	51.317	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	242846	49.128	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	244163	48.232	ug/l	100
89) n-Butylbenzene	12.38	91	375342	49.712	ug/l	99
90) Hexachloroethane	12.60	117	74930	50.287	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	240458	48.966	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34443	46.881	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	173117	50.183	ug/l	100
94) Hexachlorobutadiene	13.78	225	87939	48.758	ug/l	99
95) Naphthalene	13.83	128	517922	52.106	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	171821	49.999	ug/l	98

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

