

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX121418\
 Data File : VX006559.D
 Acq On : 15 Dec 2018 11:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 12:13:04 PM

Quant Time: Dec 16 00:00:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	555894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	867289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	799472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	404393	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	299405	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
35) Dibromofluoromethane	5.51	113	285004	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	8.71	98	1026574	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.13	95	385698	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	271483	49.878	ug/l	98
3) Chloromethane	1.33	50	274206	49.023	ug/l	99
4) Vinyl Chloride	1.41	62	302871	50.311	ug/l	99
5) Bromomethane	1.64	94	275851	66.119	ug/l	100
6) Chloroethane	1.71	64	203786	55.211	ug/l	98
7) Trichlorofluoromethane	1.93	101	483894	52.365	ug/l	98
8) Diethyl Ether	2.19	74	188099	53.784	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	275184	52.372	ug/l	99
10) Methyl Iodide	2.51	142	350087	44.210	ug/l	98
11) Tert butyl alcohol	3.08	59	386060	248.762	ug/l	99
12) 1,1-Dichloroethene	2.37	96	271585	53.992	ug/l	89
13) Acrolein	2.30	56	224638	264.833	ug/l	98
14) Allyl chloride	2.73	41	434965	43.775	ug/l	98
15) Acrylonitrile	3.15	53	831403	256.725	ug/l	100
16) Acetone	2.45	43	685639	257.455	ug/l	97
17) Carbon Disulfide	2.57	76	686492	44.290	ug/l	99
18) Methyl Acetate	2.78	43	460760	51.735	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	930279	51.843	ug/l	99
20) Methylene Chloride	2.85	84	303539	53.555	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	287087	53.557	ug/l	90
22) Diisopropyl ether	3.87	45	854076	55.030	ug/l	98
23) Vinyl Acetate	3.82	43	3400536	256.887	ug/l	99
24) 1,1-Dichloroethane	3.70	63	483353	54.487	ug/l	99
25) 2-Butanone	4.70	43	1028331	270.619	ug/l	99
26) 2,2-Dichloropropane	4.59	77	232674	28.420	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	335224	56.065	ug/l	93
28) Bromochloromethane	5.02	49	201285	51.947	ug/l	99
29) Tetrahydrofuran	5.15	42	698700	264.565	ug/l	97
30) Chloroform	5.21	83	517182	55.478	ug/l	99
31) Cyclohexane	5.57	56	436215	53.209	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	463316	52.235	ug/l	99
36) 1,1-Dichloropropene	5.80	75	381399	52.222	ug/l	100
37) Ethyl Acetate	4.85	43	402748	49.242	ug/l	98
38) Carbon Tetrachloride	5.78	117	406432	47.304	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	484718	51.130	ug/l	99
40) Benzene	6.14	78	1188203	54.319	ug/l	99
41) Methacrylonitrile	5.06	41	221889	49.303	ug/l	98
42) 1,2-Dichloroethane	6.20	62	390980	54.613	ug/l	99
43) Isopropyl Acetate	6.46	43	652118	47.821	ug/l	99
44) Trichloroethene	7.21	130	351232	53.002	ug/l	98
45) 1,2-Dichloropropane	7.52	63	293167	52.733	ug/l	99
46) Dibromomethane	7.66	93	212189	52.847	ug/l	97
47) Bromodichloromethane	7.90	83	371394	47.765	ug/l	100
48) Methyl methacrylate	7.77	41	326797	49.261	ug/l	96
49) 1,4-Dioxane	7.75	88	171336	1047.887	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	2022292	254.745	ug/l	98
52) Toluene	8.79	92	770709	53.554	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	387961	42.664	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	425540	45.066	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	319605	54.666	ug/l	99
56) Ethyl methacrylate	9.18	69	470759	51.505	ug/l	98
57) 1,3-Dichloropropane	9.37	76	509570	55.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1078877	232.613	ug/l	99
59) 2-Hexanone	9.49	43	1510521	249.055	ug/l	98
60) Dibromochloromethane	9.59	129	333899	46.315	ug/l	100
61) 1,2-Dibromoethane	9.67	107	353982	54.148	ug/l	99
64) Tetrachloroethene	9.34	164	346593	57.566	ug/l	97
65) Chlorobenzene	10.14	112	909773	53.607	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	325516	49.367	ug/l	99
67) Ethyl Benzene	10.25	91	1477726	52.353	ug/l	99
68) m/p-Xylenes	10.36	106	1193272	105.538	ug/l	99
69) o-Xylene	10.70	106	588630	52.706	ug/l	99
70) Styrene	10.71	104	942918	52.201	ug/l	99
71) Bromoform	10.86	173	252105	40.502	ug/l #	99
73) Isopropylbenzene	11.02	105	1545742	55.349	ug/l	100
74) N-amyl acetate	10.90	43	575722	47.873	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	465979	52.156	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	424701m	54.411	ug/l	
77) Bromobenzene	11.26	156	420072	54.201	ug/l	99
78) n-propylbenzene	11.36	91	1671782	53.853	ug/l	100
79) 2-Chlorotoluene	11.42	91	1000525	54.226	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1263944	54.396	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	110908	33.345	ug/l	87
82) 4-Chlorotoluene	11.51	91	1148309	53.529	ug/l	100
83) tert-Butylbenzene	11.77	119	1310694	52.868	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1306062	54.435	ug/l	100
85) sec-Butylbenzene	11.94	105	1543169	54.714	ug/l	100
86) p-Isopropyltoluene	12.07	119	1369214	53.913	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	745446	54.055	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	741011	52.941	ug/l	100
89) n-Butylbenzene	12.39	91	1123044	51.825	ug/l	100
90) Hexachloroethane	12.60	117	224511	43.374	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	733417	53.587	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	99912	43.625	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	514548	51.531	ug/l	99
94) Hexachlorobutadiene	13.78	225	229297	51.926	ug/l	99
95) Naphthalene	13.83	128	1674677	53.917	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	520325	52.611	ug/l	99

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

