

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071719\
 Data File : VX010945.D
 Acq On : 17 Jul 2019 18:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 10:58:26 AM

Quant Time: Jul 18 04:03:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	209150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	314651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	289800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151112	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	108030	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	5.49	113	97568	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	8.71	98	362328	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	11.13	95	135650	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	116522	52.223	ug/l	98
3) Chloromethane	1.32	50	103563	53.846	ug/l	100
4) Vinyl Chloride	1.41	62	108368	55.239	ug/l	99
5) Bromomethane	1.64	94	59305	53.645	ug/l	97
6) Chloroethane	1.72	64	65648	52.657	ug/l	96
7) Trichlorofluoromethane	1.93	101	182066	54.825	ug/l	100
8) Diethyl Ether	2.19	74	61133	53.430	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99887	52.680	ug/l	98
10) Methyl Iodide	2.51	142	122786	49.347	ug/l	99
11) Tert butyl alcohol	3.05	59	117788	227.306	ug/l	99
12) 1,1-Dichloroethene	2.37	96	98280	52.755	ug/l	99
13) Acrolein	2.29	56	65315	218.159	ug/l	100
14) Allyl chloride	2.73	41	144432	53.374	ug/l	99
15) Acrylonitrile	3.14	53	277299	264.825	ug/l	99
16) Acetone	2.45	43	232781	231.638	ug/l	99
17) Carbon Disulfide	2.57	76	252353	52.808	ug/l	99
18) Methyl Acetate	2.78	43	117618	51.401	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	317242	52.898	ug/l	99
20) Methylene Chloride	2.85	84	111847	52.518	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	104523	52.878	ug/l	94
22) Diisopropyl ether	3.85	45	305290	53.492	ug/l	98
23) Vinyl Acetate	3.81	43	1338999	276.903	ug/l	100
24) 1,1-Dichloroethane	3.70	63	175516	52.955	ug/l	99
25) 2-Butanone	4.67	43	382364	265.057	ug/l	99
26) 2,2-Dichloropropane	4.59	77	134349	49.367	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	122042	53.348	ug/l	97
28) Bromochloromethane	5.02	49	78605	50.327	ug/l	100
29) Tetrahydrofuran	5.13	42	246038	269.252	ug/l	99
30) Chloroform	5.21	83	187614	52.369	ug/l	97
31) Cyclohexane	5.58	56	158648	52.514	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	166013	53.562	ug/l	99
36) 1,1-Dichloropropene	5.80	75	135659	52.488	ug/l	99
37) Ethyl Acetate	4.83	43	140483	53.082	ug/l	98
38) Carbon Tetrachloride	5.79	117	145372	53.977	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	173301	51.706	ug/l	99
40) Benzene	6.14	78	420844	53.156	ug/l	100
41) Methacrylonitrile	5.04	41	78025	51.934	ug/l	98
42) 1,2-Dichloroethane	6.19	62	145952	53.021	ug/l	100
43) Isopropyl Acetate	6.45	43	233004	53.543	ug/l	99
44) Trichloroethene	7.21	130	120150	51.270	ug/l	92
45) 1,2-Dichloropropane	7.51	63	106034	52.621	ug/l	97
46) Dibromomethane	7.66	93	76792	53.332	ug/l	99
47) Bromodichloromethane	7.90	83	141443	55.184	ug/l	97
48) Methyl methacrylate	7.77	41	115333	54.404	ug/l	98
49) 1,4-Dioxane	7.74	88	56559	953.788	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	769899	272.924	ug/l	100
52) Toluene	8.79	92	278582	53.564	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	152674	55.397	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	166075	54.154	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	112243	52.414	ug/l	99
56) Ethyl methacrylate	9.18	69	175720	56.096	ug/l	99
57) 1,3-Dichloropropane	9.37	76	181972	53.566	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	409515	273.865	ug/l	99
59) 2-Hexanone	9.49	43	603469	275.813	ug/l	99
60) Dibromochloromethane	9.58	129	123211	49.993	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124259	54.676	ug/l	99
64) Tetrachloroethene	9.34	164	116825	51.243	ug/l	98
65) Chlorobenzene	10.14	112	308055	51.754	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	114980	54.963	ug/l	99
67) Ethyl Benzene	10.25	91	540031	53.302	ug/l	99
68) m/p-Xylenes	10.36	106	412452	106.129	ug/l	99
69) o-Xylene	10.69	106	200793	52.940	ug/l	99
70) Styrene	10.71	104	349233	55.235	ug/l	99
71) Bromoform	10.85	173	93309	49.039	ug/l #	99
73) Isopropylbenzene	11.02	105	539496	52.837	ug/l	99
74) N-amyl acetate	10.90	43	217419	55.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	178393	53.387	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	148106m	54.313	ug/l	
77) Bromobenzene	11.26	156	147862	52.499	ug/l	99
78) n-propylbenzene	11.36	91	605270	53.650	ug/l	99
79) 2-Chlorotoluene	11.42	91	359907	53.105	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	454924	53.320	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	50822	47.440	ug/l	97
82) 4-Chlorotoluene	11.51	91	421237	53.402	ug/l	99
83) tert-Butylbenzene	11.77	119	445444	53.152	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	462292	53.759	ug/l	98
85) sec-Butylbenzene	11.94	105	531928	54.169	ug/l	99
86) p-Isopropyltoluene	12.06	119	492448	54.244	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	254575	52.085	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	254293	50.728	ug/l	99
89) n-Butylbenzene	12.38	91	423108	54.476	ug/l	100
90) Hexachloroethane	12.60	117	79045	55.203	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	255440	52.733	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37809	54.131	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	177368	54.028	ug/l	99
94) Hexachlorobutadiene	13.78	225	84971	52.231	ug/l	98
95) Naphthalene	13.83	128	539031	55.604	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	176445	54.018	ug/l	99

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

