

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052319\
 Data File : VX009873.D
 Acq On : 23 May 2019 20:58
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:02:21 AM

Quant Time: May 24 05:23:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	290257	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129319	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	115814	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	5.50	113	81458	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	
50) Toluene-d8	8.71	98	331514	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	
62) 4-Bromofluorobenzene	11.13	95	122686	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	57047	36.309	ug/l	100
3) Chloromethane	1.32	50	103689	48.339	ug/l	100
4) Vinyl Chloride	1.41	62	94619	45.236	ug/l	97
5) Bromomethane	1.64	94	58986	46.984	ug/l	96
6) Chloroethane	1.71	64	61891	46.086	ug/l	99
7) Trichlorofluoromethane	1.92	101	106299	41.808	ug/l	99
8) Diethyl Ether	2.19	74	58491	48.566	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63611	39.840	ug/l	99
10) Methyl Iodide	2.51	142	89393	48.353	ug/l	98
11) Tert butyl alcohol	3.06	59	134546	249.733	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70015	43.766	ug/l	96
13) Acrolein	2.29	56	112155	229.864	ug/l	99
14) Allyl chloride	2.73	41	186822	47.920	ug/l	98
15) Acrylonitrile	3.14	53	331887	251.944	ug/l	100
16) Acetone	2.45	43	295223	236.221	ug/l	97
17) Carbon Disulfide	2.57	76	202090	44.994	ug/l	99
18) Methyl Acetate	2.78	43	143515	48.285	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	307310	49.468	ug/l	99
20) Methylene Chloride	2.85	84	94721	46.809	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	80089	46.162	ug/l	98
22) Diisopropyl ether	3.86	45	381184	50.841	ug/l	93
23) Vinyl Acetate	3.82	43	1724328	268.578	ug/l	99
24) 1,1-Dichloroethane	3.70	63	175761	47.521	ug/l	99
25) 2-Butanone	4.68	43	503620	259.315	ug/l	98
26) 2,2-Dichloropropane	4.58	77	112367	40.816	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	97779	47.217	ug/l	99
28) Bromochloromethane	5.01	49	87440	59.235	ug/l	97
29) Tetrahydrofuran	5.13	42	330717	264.628	ug/l	97
30) Chloroform	5.21	83	162029	48.437	ug/l	100
31) Cyclohexane	5.58	56	146774	42.654	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	126281	45.348	ug/l	99
36) 1,1-Dichloropropene	5.80	75	116358	43.137	ug/l	99
37) Ethyl Acetate	4.84	43	190000	50.555	ug/l	98
38) Carbon Tetrachloride	5.79	117	101525	41.426	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	129500	39.093	ug/l	97
40) Benzene	6.14	78	382392	45.806	ug/l	99
41) Methacrylonitrile	5.04	41	107437	48.023	ug/l	99
42) 1,2-Dichloroethane	6.19	62	142700	47.653	ug/l	98
43) Isopropyl Acetate	6.45	43	303127	50.424	ug/l	98
44) Trichloroethene	7.21	130	86109	42.668	ug/l	100
45) 1,2-Dichloropropane	7.51	63	109816	46.457	ug/l	99
46) Dibromomethane	7.66	93	63607	46.338	ug/l	99
47) Bromodichloromethane	7.90	83	127088	46.414	ug/l	96
48) Methyl methacrylate	7.77	41	153726	51.543	ug/l	97
49) 1,4-Dioxane	7.74	88	52539	868.639	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	995040	253.237	ug/l	98
52) Toluene	8.79	92	230395	45.402	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147927	47.851	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	162418	47.467	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	95630	46.192	ug/l	94
56) Ethyl methacrylate	9.18	69	181259	49.048	ug/l	95
57) 1,3-Dichloropropane	9.37	76	170796	46.882	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	456137	232.668	ug/l	99
59) 2-Hexanone	9.49	43	750778	243.284	ug/l	97
60) Dibromochloromethane	9.58	129	94720	46.845	ug/l	98
61) 1,2-Dibromoethane	9.67	107	98889	47.320	ug/l	99
64) Tetrachloroethene	9.34	164	78770	42.781	ug/l	99
65) Chlorobenzene	10.13	112	241301	44.939	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	87086	44.736	ug/l	99
67) Ethyl Benzene	10.25	91	442288	44.757	ug/l	99
68) m/p-Xylenes	10.36	106	323127	89.479	ug/l	97
69) o-Xylene	10.69	106	159722	44.828	ug/l	98
70) Styrene	10.71	104	283187	45.729	ug/l	99
71) Bromoform	10.85	173	72788	46.011	ug/l #	100
73) Isopropylbenzene	11.02	105	411473	43.755	ug/l	100
74) N-amyl acetate	10.90	43	269022	49.068	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	157829	45.021	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	137093m	45.702	ug/l	
77) Bromobenzene	11.26	156	105512	45.205	ug/l	97
78) n-propylbenzene	11.36	91	479975	44.691	ug/l	100
79) 2-Chlorotoluene	11.42	91	293484	44.293	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	354913	44.823	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51765	44.153	ug/l	96
82) 4-Chlorotoluene	11.51	91	339913	45.410	ug/l	99
83) tert-Butylbenzene	11.77	119	332202	43.128	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	361434	45.476	ug/l	100
85) sec-Butylbenzene	11.94	105	388073	42.495	ug/l	100
86) p-Isopropyltoluene	12.06	119	357032	43.489	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	184402	44.317	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	183823	43.820	ug/l	99
89) n-Butylbenzene	12.38	91	328244	44.236	ug/l	100
90) Hexachloroethane	12.60	117	60457	43.225	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	184134	43.447	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35564	45.223	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128453	44.322	ug/l	99
94) Hexachlorobutadiene	13.78	225	57521	38.866	ug/l	98
95) Naphthalene	13.83	128	427393	45.328	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130464	44.409	ug/l	100

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

