

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014049.D
 Acq On : 16 Dec 2019 20:40
 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

apatel
 12/17/2019 4:50:17 PM

Quant Time: Dec 17 05:46:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	527689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	823260	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	735305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	366222	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	306909	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
35) Dibromofluoromethane	5.48	113	258445	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
50) Toluene-d8	8.71	98	988137	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.14	95	347476	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	233462	49.453	ug/l	98
3) Chloromethane	1.32	50	316005	49.879	ug/l	97
4) Vinyl Chloride	1.40	62	338199	50.590	ug/l	99
5) Bromomethane	1.63	94	208186	43.877	ug/l	100
6) Chloroethane	1.71	64	211172	51.182	ug/l	92
7) Trichlorofluoromethane	1.92	101	422526	51.058	ug/l	100
8) Diethyl Ether	2.18	74	193381	49.791	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	247594	49.634	ug/l	100
10) Methyl Iodide	2.50	142	347828	52.722	ug/l	100
11) Tert butyl alcohol	3.03	59	314386	243.281	ug/l	100
12) 1,1-Dichloroethene	2.36	96	250568	49.363	ug/l	98
13) Acrolein	2.28	56	250949	339.240	ug/l	97
14) Allyl chloride	2.72	41	463533	51.145	ug/l	100
15) Acrylonitrile	3.13	53	796147	263.951	ug/l	99
16) Acetone	2.43	43	670371	172.656	ug/l	100
17) Carbon Disulfide	2.56	76	685765	48.684	ug/l	100
18) Methyl Acetate	2.76	43	400733	52.085	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	856539	51.351	ug/l	99
20) Methylene Chloride	2.84	84	296355	48.470	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	275143	49.201	ug/l	100
22) Diisopropyl ether	3.84	45	936589	51.858	ug/l	98
23) Vinyl Acetate	3.80	43	4094336	277.801	ug/l	100
24) 1,1-Dichloroethane	3.69	63	501037	49.864	ug/l	99
25) 2-Butanone	4.65	43	1122645	234.523	ug/l	99
26) 2,2-Dichloropropane	4.57	77	363364	46.576	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	317867	50.260	ug/l	99
28) Bromochloromethane	5.00	49	207983	53.786	ug/l	98
29) Tetrahydrofuran	5.11	42	723781	270.325	ug/l	99
30) Chloroform	5.20	83	488531	51.287	ug/l	99
31) Cyclohexane	5.57	56	458187	51.270	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	409859	50.486	ug/l	100
36) 1,1-Dichloropropene	5.79	75	372973	49.375	ug/l	100
37) Ethyl Acetate	4.82	43	437736	52.476	ug/l	99
38) Carbon Tetrachloride	5.78	117	351882	51.134	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	456646	48.959	ug/l	97
40) Benzene	6.14	78	1153231	49.618	ug/l	99
41) Methacrylonitrile	5.03	41	242563	52.408	ug/l	98
42) 1,2-Dichloroethane	6.18	62	395171	50.157	ug/l	99
43) Isopropyl Acetate	6.43	43	705463	51.102	ug/l	99
44) Trichloroethene	7.21	130	319293	49.736	ug/l	99
45) 1,2-Dichloropropane	7.51	63	301392	50.593	ug/l	96
46) Dibromomethane	7.65	93	193231	49.060	ug/l	99
47) Bromodichloromethane	7.89	83	380662	51.317	ug/l	97
48) Methyl methacrylate	7.76	41	354321	52.415	ug/l	98
49) 1,4-Dioxane	7.73	88	141013	1025.058	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	2234494	257.734	ug/l	99
52) Toluene	8.78	92	719215	48.957	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	414961	51.018	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	466824	51.518	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	293046	49.771	ug/l	99
56) Ethyl methacrylate	9.17	69	479060	51.796	ug/l	99
57) 1,3-Dichloropropane	9.37	76	497661	50.236	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	934531	266.999	ug/l	100
59) 2-Hexanone	9.48	43	1711004	245.159	ug/l	99
60) Dibromochloromethane	9.57	129	306537	52.376	ug/l	100
61) 1,2-Dibromoethane	9.67	107	310514	51.544	ug/l	99
64) Tetrachloroethene	9.33	164	282580	43.430	ug/l	98
65) Chlorobenzene	10.14	112	770128	49.259	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	285987	51.230	ug/l	99
67) Ethyl Benzene	10.25	91	1358482	50.540	ug/l	99
68) m/p-Xylenes	10.35	106	1033621	99.982	ug/l	100
69) o-Xylene	10.70	106	504346	49.742	ug/l	100
70) Styrene	10.71	104	864158	50.403	ug/l	99
71) Bromoform	10.85	173	230898	51.456	ug/l #	98
73) Isopropylbenzene	11.01	105	1331337	51.633	ug/l	100
74) N-amyl acetate	10.89	43	628961	52.039	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	465521	52.075	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	432269m	54.369	ug/l	
77) Bromobenzene	11.25	156	339512	47.857	ug/l	98
78) n-propylbenzene	11.35	91	1499028	51.830	ug/l	100
79) 2-Chlorotoluene	11.42	91	883170	50.234	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1104143	50.881	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	148392	52.680	ug/l	99
82) 4-Chlorotoluene	11.51	91	1005086	49.285	ug/l	99
83) tert-Butylbenzene	11.76	119	1108465	52.488	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1106629	50.922	ug/l	99
85) sec-Butylbenzene	11.94	105	1273666	51.088	ug/l	99
86) p-Isopropyltoluene	12.06	119	1166261	51.141	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	588080	47.298	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	594312	47.009	ug/l	100
89) n-Butylbenzene	12.39	91	981747	50.453	ug/l	99
90) Hexachloroethane	12.59	117	210513	51.393	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	599776	47.919	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	94324	47.681	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	384825	47.304	ug/l	98
94) Hexachlorobutadiene	13.78	225	184054	47.076	ug/l	96
95) Naphthalene	13.83	128	1209268	50.594	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	394736	49.154	ug/l	99

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

