

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082719\
 Data File : VX011866.D
 Acq On : 27 Aug 2019 21:32
 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
 8/28/2019 11:44:15 AM

Quant Time: Aug 28 04:25:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	337051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	486703	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	440043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	237142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	196692	58.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.18%	
35) Dibromofluoromethane	5.49	113	162787	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
50) Toluene-d8	8.71	98	587881	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
62) 4-Bromofluorobenzene	11.13	95	228315	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	160088	50.892	ug/l	99
3) Chloromethane	1.32	50	148661	53.889	ug/l	99
4) Vinyl Chloride	1.40	62	143770	52.134	ug/l	99
5) Bromomethane	1.63	94	70256	46.245	ug/l	98
6) Chloroethane	1.71	64	79835	49.514	ug/l	97
7) Trichlorofluoromethane	1.92	101	221673	50.489	ug/l	99
8) Diethyl Ether	2.18	74	75214	50.380	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	131787	48.507	ug/l	97
10) Methyl Iodide	2.50	142	175354	52.842	ug/l	98
11) Tert butyl alcohol	3.04	59	232565	347.597	ug/l	98
12) 1,1-Dichloroethene	2.37	96	133003	50.205	ug/l	95
13) Acrolein	2.29	56	61046	236.035	ug/l	98
14) Allyl chloride	2.72	41	269153	65.003	ug/l	97
15) Acrylonitrile	3.14	53	440289	287.707	ug/l	99
16) Acetone	2.43	43	388340	263.661	ug/l	100
17) Carbon Disulfide	2.56	76	364694	54.447	ug/l	100
18) Methyl Acetate	2.76	43	259888	65.027	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	490376	57.706	ug/l	97
20) Methylene Chloride	2.85	84	146562	48.672	ug/l	91
21) trans-1,2-Dichloroethene	3.15	96	140623	49.213	ug/l	91
22) Diisopropyl ether	3.85	45	499721	62.238	ug/l	97
23) Vinyl Acetate	3.81	43	2120490	318.973	ug/l	97
24) 1,1-Dichloroethane	3.69	63	264316	55.755	ug/l	100
25) 2-Butanone	4.67	43	639639	302.557	ug/l	96
26) 2,2-Dichloropropane	4.57	77	208947	51.901	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	164866	50.312	ug/l	94
28) Bromochloromethane	5.01	49	140600	65.336	ug/l	86
29) Tetrahydrofuran	5.12	42	415521	306.613	ug/l	94
30) Chloroform	5.20	83	268569	52.218	ug/l	99
31) Cyclohexane	5.57	56	241060	57.900	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	252367	56.447	ug/l	98
36) 1,1-Dichloropropene	5.79	75	197333	51.704	ug/l	98
37) Ethyl Acetate	4.82	43	247070	61.173	ug/l	97
38) Carbon Tetrachloride	5.78	117	229345	53.023	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	237602	50.238	ug/l	93
40) Benzene	6.13	78	584795	49.532	ug/l	100
41) Methacrylonitrile	5.03	41	137478	58.527	ug/l	95
42) 1,2-Dichloroethane	6.18	62	218231	50.564	ug/l	100
43) Isopropyl Acetate	6.43	43	409064	62.576	ug/l	97
44) Trichloroethene	7.21	130	169046	46.448	ug/l	96
45) 1,2-Dichloropropane	7.51	63	153704	51.794	ug/l	99
46) Dibromomethane	7.65	93	105882	48.394	ug/l	96
47) Bromodichloromethane	7.89	83	222424	56.474	ug/l	99
48) Methyl methacrylate	7.76	41	199031	61.178	ug/l	92
49) 1,4-Dioxane	7.73	88	85344	946.804	ug/l	93
51) 4-Methyl-2-Pentanone	8.63	43	1239259	287.700	ug/l	98
52) Toluene	8.78	92	373516	48.888	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	246839	59.701	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	259442	57.519	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	153655	48.272	ug/l	99
56) Ethyl methacrylate	9.17	69	263258	58.154	ug/l	90
57) 1,3-Dichloropropane	9.37	76	258450	50.284	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	677870	284.659	ug/l	98
59) 2-Hexanone	9.49	43	958605	289.950	ug/l	97
60) Dibromochloromethane	9.58	129	190748	55.424	ug/l	100
61) 1,2-Dibromoethane	9.67	107	168003	49.189	ug/l	99
64) Tetrachloroethene	9.34	164	161984	46.142	ug/l	98
65) Chlorobenzene	10.13	112	408330	47.529	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	171317	53.223	ug/l	100
67) Ethyl Benzene	10.25	91	723280	50.379	ug/l	100
68) m/p-Xylenes	10.35	106	551309	99.591	ug/l	99
69) o-Xylene	10.69	106	270525	49.774	ug/l	100
70) Styrene	10.71	104	467405	51.408	ug/l	98
71) Bromoform	10.85	173	165259	59.515	ug/l #	99
73) Isopropylbenzene	11.01	105	724005	50.662	ug/l	99
74) N-amyl acetate	10.89	43	360805	65.212	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	241502	51.054	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	224969m	54.065	ug/l	
77) Bromobenzene	11.25	156	202418	48.045	ug/l	94
78) n-propylbenzene	11.35	91	802518	52.517	ug/l	98
79) 2-Chlorotoluene	11.41	91	483153	50.821	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	613868	51.483	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	88801	64.359	ug/l	98
82) 4-Chlorotoluene	11.51	91	565873	51.638	ug/l	97
83) tert-Butylbenzene	11.77	119	629424	53.503	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	625178	51.920	ug/l	98
85) sec-Butylbenzene	11.94	105	710057	52.765	ug/l	100
86) p-Isopropyltoluene	12.06	119	668804	51.654	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	353030	48.659	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	350563	47.759	ug/l	98
89) n-Butylbenzene	12.38	91	562837	52.511	ug/l	98
90) Hexachloroethane	12.59	117	134444	66.837	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	346647	47.371	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	65415	59.493	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	268691	49.918	ug/l	98
94) Hexachlorobutadiene	13.78	225	141791	48.073	ug/l	98
95) Naphthalene	13.83	128	809188	54.583	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	273619	50.626	ug/l	99

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

