

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020719\
 Data File : VX007414.D
 Acq On : 07 Feb 2019 10:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:27:48 PM

Quant Time: Feb 08 22:05:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	522674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	746283	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	694865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	371603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	266696	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	5.50	113	240934	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	8.71	98	910534	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	335035	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	321322	50.028	ug/l	100
3) Chloromethane	1.33	50	272504	46.288	ug/l	99
4) Vinyl Chloride	1.41	62	290965	50.379	ug/l	100
5) Bromomethane	1.64	94	271859	47.582	ug/l	100
6) Chloroethane	1.72	64	177907	47.618	ug/l	100
7) Trichlorofluoromethane	1.93	101	439330	48.626	ug/l	100
8) Diethyl Ether	2.19	74	158095	46.491	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	257849	47.979	ug/l	99
10) Methyl Iodide	2.51	142	362899	45.903	ug/l	100
11) Tert butyl alcohol	3.07	59	285107	248.327	ug/l	99
12) 1,1-Dichloroethene	2.37	96	234552	47.000	ug/l	98
13) Acrolein	2.29	56	133234	247.472	ug/l	98
14) Allyl chloride	2.73	41	398472	49.004	ug/l	99
15) Acrylonitrile	3.15	53	680893	239.735	ug/l	100
16) Acetone	2.45	43	687195	270.413	ug/l	99
17) Carbon Disulfide	2.57	76	594088	45.715	ug/l	100
18) Methyl Acetate	2.78	43	353618	53.365	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	773390	47.835	ug/l	96
20) Methylene Chloride	2.86	84	258182	49.737	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	248235	46.695	ug/l	99
22) Diisopropyl ether	3.87	45	752285	50.296	ug/l	99
23) Vinyl Acetate	3.82	43	3304841	266.267	ug/l	100
24) 1,1-Dichloroethane	3.70	63	438293	51.027	ug/l	98
25) 2-Butanone	4.70	43	934661	258.440	ug/l	99
26) 2,2-Dichloropropane	4.58	77	329305	50.342	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	269331	46.384	ug/l	99
28) Bromochloromethane	5.02	49	183919	46.561	ug/l	99
29) Tetrahydrofuran	5.15	42	582007	255.876	ug/l	99
30) Chloroform	5.21	83	433218	48.334	ug/l	98
31) Cyclohexane	5.58	56	369007	47.833	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	377667	49.918	ug/l	99
36) 1,1-Dichloropropene	5.80	75	320084	47.803	ug/l	100
37) Ethyl Acetate	4.85	43	335554	49.574	ug/l	99
38) Carbon Tetrachloride	5.78	117	335749	51.685	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020719\
 Data File : VX007414.D
 Acq On : 07 Feb 2019 10:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:27:48 PM

Quant Time: Feb 08 22:05:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	410182	50.631	ug/l	97
40) Benzene	6.14	78	973400	49.350	ug/l	98
41) Methacrylonitrile	5.06	41	184800	50.941	ug/l	98
42) 1,2-Dichloroethane	6.20	62	330077	48.367	ug/l	99
43) Isopropyl Acetate	6.45	43	538158	51.510	ug/l	100
44) Trichloroethene	7.21	130	286729	48.267	ug/l	98
45) 1,2-Dichloropropane	7.51	63	241524	48.872	ug/l	100
46) Dibromomethane	7.66	93	173387	48.272	ug/l	99
47) Bromodichloromethane	7.90	83	312624	51.356	ug/l	100
48) Methyl methacrylate	7.77	41	279330	53.451	ug/l	100
49) 1,4-Dioxane	7.75	88	125380	1054.596	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1790241	260.294	ug/l	100
52) Toluene	8.78	92	638319	50.159	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	352598	53.925	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	385456	53.605	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	259417	48.903	ug/l	98
56) Ethyl methacrylate	9.18	69	380846	51.837	ug/l	98
57) 1,3-Dichloropropane	9.37	76	419185	49.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1025841	264.904	ug/l	99
59) 2-Hexanone	9.49	43	1404692	262.459	ug/l	100
60) Dibromochloromethane	9.58	129	279382	55.687	ug/l	100
61) 1,2-Dibromoethane	9.67	107	285105	50.751	ug/l	99
64) Tetrachloroethene	9.34	164	303772	46.382	ug/l	98
65) Chlorobenzene	10.13	112	735809	48.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	265687	52.261	ug/l	99
67) Ethyl Benzene	10.25	91	1234831	50.569	ug/l	99
68) m/p-Xylenes	10.36	106	967872	99.711	ug/l	98
69) o-Xylene	10.69	106	470544	50.378	ug/l	99
70) Styrene	10.71	104	766904	50.628	ug/l	100
71) Bromoform	10.85	173	207269	46.768	ug/l #	97
73) Isopropylbenzene	11.02	105	1270400	50.308	ug/l	98
74) N-amyl acetate	10.90	43	484467	49.601	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	380036	49.381	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	368635m	51.000	ug/l	
77) Bromobenzene	11.26	156	342780	48.177	ug/l	99
78) n-propylbenzene	11.36	91	1454659	52.532	ug/l	100
79) 2-Chlorotoluene	11.42	91	836011	49.756	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1052649	50.952	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	115615	49.487	ug/l	96
82) 4-Chlorotoluene	11.51	91	975992	50.200	ug/l	99
83) tert-Butylbenzene	11.77	119	1035019	50.602	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1074890	51.248	ug/l	99
85) sec-Butylbenzene	11.94	105	1294663	52.297	ug/l	100
86) p-Isopropyltoluene	12.06	119	1168760	52.300	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	619490	48.515	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	620255	47.879	ug/l	99
89) n-Butylbenzene	12.39	91	1009999	52.538	ug/l	99
90) Hexachloroethane	12.60	117	184786	55.250	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	605185	47.624	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	81701	51.056	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020719\
Data File : VX007414.D
Acq On : 07 Feb 2019 10:00
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:27:48 PM

Quant Time: Feb 08 22:05:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	430069	50.184	ug/l	99
94) Hexachlorobutadiene	13.78	225	209323	50.302	ug/l	99
95) Naphthalene	13.83	128	1278583	51.019	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	423714	49.118	ug/l	100

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

