

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010419\
 Data File : VX006923.D
 Acq On : 04 Jan 2019 19:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 11:04:24 AM

Quant Time: Jan 04 23:44:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	504530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	750129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	667069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	347587	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	276045	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	5.50	113	251810	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	8.71	98	912637	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.13	95	324060	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	172602	37.396	ug/l	96
3) Chloromethane	1.32	50	195002	39.215	ug/l	98
4) Vinyl Chloride	1.41	62	215080	41.414	ug/l	97
5) Bromomethane	1.64	94	210839	43.245	ug/l	97
6) Chloroethane	1.71	64	154632	43.001	ug/l	97
7) Trichlorofluoromethane	1.92	101	368330	45.490	ug/l	98
8) Diethyl Ether	2.19	74	153055	47.592	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	222975	46.901	ug/l	99
10) Methyl Iodide	2.51	142	316699	46.537	ug/l	99
11) Tert butyl alcohol	3.09	59	283620	233.716	ug/l	99
12) 1,1-Dichloroethene	2.37	96	200807	44.546	ug/l	97
13) Acrolein	2.30	56	181974	222.285	ug/l	99
14) Allyl chloride	2.73	41	361422	47.632	ug/l	98
15) Acrylonitrile	3.15	53	696202	258.388	ug/l	100
16) Acetone	2.45	43	570744	228.461	ug/l	99
17) Carbon Disulfide	2.57	76	404582	33.915	ug/l	99
18) Methyl Acetate	2.78	43	422440	57.507	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	779669	52.111	ug/l	100
20) Methylene Chloride	2.85	84	241510	46.751	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	217743	43.595	ug/l	98
22) Diisopropyl ether	3.87	45	730704	52.639	ug/l	94
23) Vinyl Acetate	3.82	43	2908337	256.140	ug/l	100
24) 1,1-Dichloroethane	3.70	63	396748	47.879	ug/l	99
25) 2-Butanone	4.70	43	862862	245.547	ug/l	98
26) 2,2-Dichloropropane	4.58	77	283762	44.331	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	267177	48.483	ug/l	99
28) Bromochloromethane	5.02	49	191944	55.140	ug/l	97
29) Tetrahydrofuran	5.15	42	579582	250.418	ug/l	98
30) Chloroform	5.21	83	426224	49.670	ug/l	100
31) Cyclohexane	5.57	56	317942	42.234	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	359767	49.652	ug/l	99
36) 1,1-Dichloropropene	5.80	75	292510	47.082	ug/l	99
37) Ethyl Acetate	4.85	43	334803	51.776	ug/l	100
38) Carbon Tetrachloride	5.78	117	301454	49.927	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010419\
 Data File : VX006923.D
 Acq On : 04 Jan 2019 19:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 11:04:24 AM

Quant Time: Jan 04 23:44:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	346083	42.312	ug/l	97
40) Benzene	6.14	78	919284	48.678	ug/l	99
41) Methacrylonitrile	5.06	41	188128	54.798	ug/l	98
42) 1,2-Dichloroethane	6.20	62	318579	49.506	ug/l	100
43) Isopropyl Acetate	6.46	43	549264	55.826	ug/l	98
44) Trichloroethene	7.21	130	265929	46.525	ug/l	99
45) 1,2-Dichloropropane	7.52	63	240415	52.314	ug/l	96
46) Dibromomethane	7.66	93	168215	49.763	ug/l	97
47) Bromodichloromethane	7.90	83	302309	53.867	ug/l	96
48) Methyl methacrylate	7.77	41	275681	55.099	ug/l	98
49) 1,4-Dioxane	7.76	88	122306	932.939	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1690985	270.117	ug/l	99
52) Toluene	8.78	92	589282	48.300	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	329555	54.753	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	364726	55.226	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	261477	52.360	ug/l	98
56) Ethyl methacrylate	9.18	69	377959	53.549	ug/l	97
57) 1,3-Dichloropropane	9.37	76	412789	51.377	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	993262	264.737	ug/l	99
59) 2-Hexanone	9.49	43	1273712	265.922	ug/l	99
60) Dibromochloromethane	9.59	129	262778	50.297	ug/l	98
61) 1,2-Dibromoethane	9.67	107	273768	51.571	ug/l	100
64) Tetrachloroethene	9.34	164	254283	48.140	ug/l	96
65) Chlorobenzene	10.14	112	694277	49.196	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	254553	57.813	ug/l	99
67) Ethyl Benzene	10.25	91	1127507	48.893	ug/l	100
68) m/p-Xylenes	10.36	106	883976	97.144	ug/l	99
69) o-Xylene	10.70	106	437872	48.730	ug/l	98
70) Styrene	10.71	104	711963	50.082	ug/l	100
71) Bromoform	10.86	173	188910	47.782	ug/l	99
73) Isopropylbenzene	11.02	105	1162059	48.869	ug/l	99
74) N-amyl acetate	10.90	43	485810	57.077	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	380860	53.855	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	347149m	53.741	ug/l	
77) Bromobenzene	11.26	156	315576	49.088	ug/l	99
78) n-propylbenzene	11.36	91	1271897	48.572	ug/l	100
79) 2-Chlorotoluene	11.42	91	747280	47.091	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	955906	48.806	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	98717	46.803	ug/l	99
82) 4-Chlorotoluene	11.51	91	874114	48.022	ug/l	100
83) tert-Butylbenzene	11.77	119	982487	50.120	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	975250	47.339	ug/l	100
85) sec-Butylbenzene	11.94	105	1153676	48.002	ug/l	100
86) p-Isopropyltoluene	12.07	119	1030857	48.794	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	556800	48.057	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	565731	47.630	ug/l	100
89) n-Butylbenzene	12.39	91	876804	48.766	ug/l	98
90) Hexachloroethane	12.60	117	156173	47.415	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	566351	48.864	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	76909	52.559	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010419\
Data File : VX006923.D
Acq On : 04 Jan 2019 19:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:04:24 AM

Quant Time: Jan 04 23:44:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	395777	49.504	ug/l	99
94) Hexachlorobutadiene	13.78	225	169665	45.024	ug/l	99
95) Naphthalene	13.83	128	1238934	48.553	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	390594	47.318	ug/l	99

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

