

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010287.D
 Acq On : 13 Jun 2019 20:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:17:52 AM

Quant Time: Jun 14 04:44:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	296681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	453306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	414074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211681	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	128930	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	
35) Dibromofluoromethane	5.50	113	128690	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	
50) Toluene-d8	8.71	98	490943	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	11.13	95	180866	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	130675	47.868	ug/l	99
3) Chloromethane	1.32	50	124618	45.966	ug/l	99
4) Vinyl Chloride	1.41	62	147581	57.919	ug/l	99
5) Bromomethane	1.64	94	53131	55.257	ug/l	98
6) Chloroethane	1.71	64	78856	61.382	ug/l	100
7) Trichlorofluoromethane	1.92	101	208764	55.157	ug/l	99
8) Diethyl Ether	2.19	74	74708	57.268	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.38	101	120462	46.171	ug/l	92
10) Methyl Iodide	2.51	142	169346	41.893	ug/l	97
11) Tert butyl alcohol	3.05	59	169993	239.620	ug/l	98
12) 1,1-Dichloroethene	2.37	96	122631	46.018	ug/l #	77
13) Acrolein	2.29	56	34176	264.199	ug/l	98
14) Allyl chloride	2.73	41	176308	43.830	ug/l #	89
15) Acrylonitrile	3.14	53	352985	243.429	ug/l	98
16) Acetone	2.45	43	299440	219.840	ug/l #	88
17) Carbon Disulfide	2.57	76	302820	39.328	ug/l	99
18) Methyl Acetate	2.78	43	149340	49.855	ug/l #	81
19) Methyl tert-butyl Ether	3.20	73	399572	46.672	ug/l	95
20) Methylene Chloride	2.85	84	138413	46.271	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	129171	43.801	ug/l #	79
22) Diisopropyl ether	3.85	45	375390	48.811	ug/l #	91
23) Vinyl Acetate	3.81	43	1625570	236.929	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	216336	46.330	ug/l	95
25) 2-Butanone	4.67	43	485205	239.222	ug/l #	80
26) 2,2-Dichloropropane	4.59	77	170311	39.980	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	153563	46.807	ug/l	77
28) Bromochloromethane	5.01	49	100802	48.167	ug/l #	49
29) Tetrahydrofuran	5.13	42	310143	243.312	ug/l #	75
30) Chloroform	5.21	83	229947	47.417	ug/l	96
31) Cyclohexane	5.57	56	192535	45.686	ug/l #	80
32) 1,1,1-Trichloroethane	5.49	97	204882	44.940	ug/l	93
36) 1,1-Dichloropropene	5.80	75	164680	44.529	ug/l	92
37) Ethyl Acetate	4.84	43	179265	46.587	ug/l #	92
38) Carbon Tetrachloride	5.79	117	186678	44.596	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010287.D
 Acq On : 13 Jun 2019 20:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:17:52 AM

Quant Time: Jun 14 04:44:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	216813	43.053	ug/l #	83
40) Benzene	6.14	78	530681	46.405	ug/l	98
41) Methacrylonitrile	5.04	41	96697	46.456	ug/l #	83
42) 1,2-Dichloroethane	6.19	62	165403	45.305	ug/l	93
43) Isopropyl Acetate	6.45	43	298869	46.453	ug/l #	89
44) Trichloroethene	7.21	130	158432	45.961	ug/l	86
45) 1,2-Dichloropropane	7.51	63	135233	47.246	ug/l	98
46) Dibromomethane	7.66	93	97284	45.367	ug/l	91
47) Bromodichloromethane	7.90	83	183611	45.823	ug/l	98
48) Methyl methacrylate	7.77	41	141508	47.030	ug/l #	77
49) 1,4-Dioxane	7.74	88	78059	909.918	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	959582	249.662	ug/l	90
52) Toluene	8.79	92	355326	47.268	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	202363	43.662	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	221576	44.595	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	149399	48.527	ug/l	97
56) Ethyl methacrylate	9.18	69	232796	47.869	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	229580	47.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	552495	240.987	ug/l #	86
59) 2-Hexanone	9.49	43	741171	241.858	ug/l	88
60) Dibromochloromethane	9.58	129	171550	47.110	ug/l	100
61) 1,2-Dibromoethane	9.67	107	161862	47.206	ug/l	100
64) Tetrachloroethene	9.34	164	152991	49.746	ug/l	98
65) Chlorobenzene	10.13	112	402551	47.103	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	154869	47.122	ug/l	100
67) Ethyl Benzene	10.25	91	681980	46.876	ug/l	94
68) m/p-Xylenes	10.36	106	528565	93.886	ug/l	90
69) o-Xylene	10.69	106	263227	47.035	ug/l	88
70) Styrene	10.71	104	447617	47.225	ug/l	95
71) Bromoform	10.85	173	138428	45.817	ug/l	99
73) Isopropylbenzene	11.02	105	689614	46.669	ug/l	95
74) N-amyl acetate	10.90	43	271403	46.463	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	235764	46.610	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	190548m	45.004	ug/l	
77) Bromobenzene	11.26	156	189576	46.653	ug/l	81
78) n-propylbenzene	11.36	91	763413	46.406	ug/l	94
79) 2-Chlorotoluene	11.42	91	451436	45.691	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	572002	45.959	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	78742	41.090	ug/l	86
82) 4-Chlorotoluene	11.51	91	517211	46.082	ug/l	92
83) tert-Butylbenzene	11.77	119	577507	45.845	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	584346	46.482	ug/l	97
85) sec-Butylbenzene	11.94	105	682572	46.509	ug/l	96
86) p-Isopropyltoluene	12.06	119	624505	46.547	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	333673	46.618	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	330020	45.739	ug/l	98
89) n-Butylbenzene	12.38	91	534236	46.259	ug/l	97
90) Hexachloroethane	12.60	117	115356	43.162	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	328612	47.225	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	49425	41.524	ug/l	66

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
Data File : VX010287.D
Acq On : 13 Jun 2019 20:53
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:17:52 AM

Quant Time: Jun 14 04:44:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	231092	45.370	ug/l	99
94) Hexachlorobutadiene	13.78	225	108204	47.767	ug/l	100
95) Naphthalene	13.83	128	754947	47.084	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	233925	46.449	ug/l	99

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

